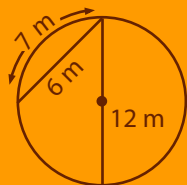


Peer



$$1\frac{6}{7}$$

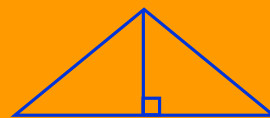
6th Grade

$+$ $-$ $\times$ $\div$ $=$

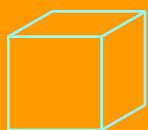
$$6.367$$

Assisted

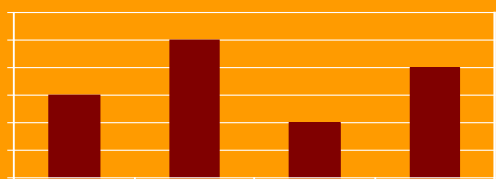
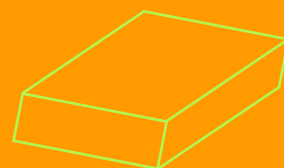
$$3\frac{7}{12}$$



$$12.36$$



Learning



Strategies

Math Methods for Grades 2-6

2009 Revised Edition

Lynn S. Fuchs, Douglas Fuchs,
Kathy Karns, Norris Phillips

Support for the development of this manual was provided in part by Grant #180E2004 from the Office of Special Education Programs in the U.S. Department of Education, and Core Grant # HD15052 from the National Institute of Child Health and Human Development.



Dear Educator,

Thank you for your interest in Math PALS. Math PALS comprises two major activities for each skill area: 1) *Coaching*, in which students teach each other math skills; and, 2) *Practice*, a mixed problem-type timed drill that incorporates the type of problem addressed during that day's Coaching, as well as easier problem types. To implement Math PALS for 6th Grade you will need both the Teacher's Math Manual for Grades 2 – 6 and the PALS 6th Grade Student Math Materials Manual.

These pages from the **PALS 6th Grade Student Math Materials** Manual are provided as a courtesy to allow you to preview a representative sampling of the manual. This excerpt includes a sample of both *Computation* skills, which will include addition, subtraction, multiplication, and division, along with *Application* skills which will include a variety of topics from counting to fractions to word problems. This excerpt includes the following sections:

1. Computation
 - a. 6A1: Adding
 - b. 6F1: Adding / subtracting fractions
2. Applications
 - a. 6AC: Applied computation
 - b. 6RP: Ratios and probability

This excerpt is protected by Federal Law Title 17 of the United States Code. The reproduction, distribution, and display of any part of the contents of this material are prohibited.

If you have questions, please contact Lynn Davies at lynn.a.davies@vanderbilt.edu.

Regards,

Lynn Davies
Program Manager
Vanderbilt University
110 Magnolia Circle, Suite 418
Nashville, TN 37203

Vanderbilt University
PMB 228
110 Magnolia Circle, Suite 418
Nashville, TN 37203

P: 615.343.4782
F: 615.936.5803

DO NOT REPRODUCE WITHOUT THE WRITTEN CONSENT OF THE AUTHORS

PALS is defined as a literary work and as such the reproduction, distribution, and display of PALS materials is protected by Federal Law, Title 17 of the United States Code. The reproduction, distribution, and display of the any part of the contents of this manual is strictly limited to activities intended for use with students in a single classroom by the instructor for whom this manual was purchased. The legal penalties of violating any of the copyright owner's exclusive rights granted by the Federal Copyright Act include, but are not limited to, a fine of up to \$150,000 and imprisonment. The copyright owners of PALS reserve the right to pursue legal action for any known acts of copyright infringement.



GRADE 6

COMPUTATION

6A1 Adding

6S1 Subtracting

6M1 Multiplying

6D1 Dividing

6F1 Adding/subtracting fractions

6F2 Adding/subtracting fractions

6F3 Multiplying and dividing fractions

6.1 Adding and subtracting decimals

6.2 Multiplying decimals

6.3 Dividing decimals

FOCUS

5-digit with regrouping

5-digit with regrouping

4-digit $\times$ 3-digit with regrouping

1, 2, & 3 step; 2-digit & 3-digit divisors

With like denominators

With unlike denominators

With whole numbers & fractions

Lining up and adding zeros (to ten thousandths)

2-digit & 3-digit multipliers with regrouping

Decimals as dividends & divisors; 1 & 2 step

APPLICATIONS

6AC Applied computation

1-2: Rounding whole numbers (to millions)

3-4: Rounding decimals (to ten thousandths)

6CG Charts and graphs

Picture charts, bar graphs, schedules, & pie charts

6Ge Geometry

1-2: Area & volume of triangles & parallelograms

3-4: Identifying segments, angles, polygons, diameters, chords, radii and arcs

6Me Measurement

1-2: Converting times, distances, & weights

3-4: Adding & subtracting distances (with regrouping)

6Nu Numeration

1-2: Prime or composite

3: Place value (to ten thousandths)

4: Writing decimals; mixed form to number form

6Pc Percentages

Converting fractions, decimals and percentages

6Pp Proportions

1-2: Fill-in the blank

3-4: Word problems

6RP Ratios and probability

1-2: Writing ratios from word problems

3-4: Calculating probability from word problems

6Va Variables

1-2: Writing equations

3-4: Solving equations

6WP Word problems

1 & 2 step; addition, subtraction, multiplication, division, & money



Grade 6

Computation

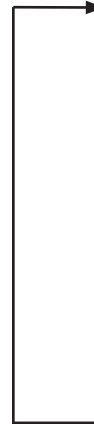
Adding

Coach's Question Sheet

Look at the sign.

What kind of problem is it?

Where do you start?

- 
1. What plus what?
 2. Is your answer 10 or more? Do you need to regroup?
If yes, do it.
 3. Write your answer.
 4. Where do you move next?

Adding

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r}
 11 \\
 96811 \\
 + 53682 \\
 \hline
 150493
 \end{array}$$

$$\begin{array}{r}
 1 \\
 34842 \\
 + 21556 \\
 \hline
 56398
 \end{array}$$

$$\begin{array}{r}
 111 \\
 60228 \\
 + 16988 \\
 \hline
 77216
 \end{array}$$

$$\begin{array}{r}
 11 \\
 67842 \\
 + 21576 \\
 \hline
 89418
 \end{array}$$

$$\begin{array}{r}
 11 \\
 47842 \\
 + 26845 \\
 \hline
 74687
 \end{array}$$

$$\begin{array}{r}
 11 \\
 76402 \\
 + 24856 \\
 \hline
 101258
 \end{array}$$

$$\begin{array}{r}
 1 \\
 76532 \\
 + 17266 \\
 \hline
 93798
 \end{array}$$

$$\begin{array}{r}
 11 \\
 43355 \\
 + 28283 \\
 \hline
 71638
 \end{array}$$

$$\begin{array}{r}
 11 \\
 46343 \\
 + 32795 \\
 \hline
 79138
 \end{array}$$

$$\begin{array}{r}
 1 \\
 58241 \\
 + 39127 \\
 \hline
 97368
 \end{array}$$

$$\begin{array}{r}
 11 \\
 37019 \\
 + 54322 \\
 \hline
 91341
 \end{array}$$

$$\begin{array}{r}
 111 \\
 57821 \\
 + 57784 \\
 \hline
 115605
 \end{array}$$

Adding

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r}
 11 \\
 15970 \\
 + 10959 \\
 \hline
 \mathbf{26929}
 \end{array}$$

$$\begin{array}{r}
 1 \\
 74872 \\
 + 61097 \\
 \hline
 \mathbf{135969}
 \end{array}$$

$$\begin{array}{r}
 111 \\
 78214 \\
 + 7968 \\
 \hline
 \mathbf{86182}
 \end{array}$$

$$\begin{array}{r}
 111 \\
 37048 \\
 + 26185 \\
 \hline
 \mathbf{63233}
 \end{array}$$

$$\begin{array}{r}
 111 \\
 32584 \\
 + 28675 \\
 \hline
 \mathbf{61259}
 \end{array}$$

$$\begin{array}{r}
 1111 \\
 27669 \\
 + 18762 \\
 \hline
 \mathbf{46431}
 \end{array}$$

$$\begin{array}{r}
 1111 \\
 19586 \\
 + 9997 \\
 \hline
 \mathbf{29583}
 \end{array}$$

$$\begin{array}{r}
 1111 \\
 27994 \\
 + 18448 \\
 \hline
 \mathbf{46442}
 \end{array}$$

$$\begin{array}{r}
 11 \\
 28070 \\
 + 26684 \\
 \hline
 \mathbf{54754}
 \end{array}$$

$$\begin{array}{r}
 11 \\
 81089 \\
 + 18579 \\
 \hline
 \mathbf{99668}
 \end{array}$$

$$\begin{array}{r}
 111 \\
 49607 \\
 + 27917 \\
 \hline
 \mathbf{77524}
 \end{array}$$

$$\begin{array}{r}
 1 \\
 44680 \\
 + 16106 \\
 \hline
 \mathbf{60786}
 \end{array}$$

Adding

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r}
 1 \\
 38653 \\
 + 36246 \\
 \hline
 74899
 \end{array}$$

$$\begin{array}{r}
 1 \\
 58918 \\
 + 24020 \\
 \hline
 82938
 \end{array}$$

$$\begin{array}{r}
 111 \\
 22563 \\
 + 8784 \\
 \hline
 31347
 \end{array}$$

$$\begin{array}{r}
 11 \\
 71661 \\
 + 15762 \\
 \hline
 87423
 \end{array}$$

$$\begin{array}{r}
 11 \\
 69283 \\
 + 58494 \\
 \hline
 127777
 \end{array}$$

$$\begin{array}{r}
 1 \\
 81047 \\
 + 69042 \\
 \hline
 150089
 \end{array}$$

$$\begin{array}{r}
 111 \\
 12984 \\
 + 6867 \\
 \hline
 19851
 \end{array}$$

$$\begin{array}{r}
 11 \\
 92436 \\
 + 38547 \\
 \hline
 130983
 \end{array}$$

$$\begin{array}{r}
 11 \\
 67093 \\
 + 24436 \\
 \hline
 91529
 \end{array}$$

$$\begin{array}{r}
 11 \\
 69821 \\
 + 3951 \\
 \hline
 73772
 \end{array}$$

$$\begin{array}{r}
 1111 \\
 95564 \\
 + 24987 \\
 \hline
 120551
 \end{array}$$

$$\begin{array}{r}
 111 \\
 32637 \\
 + 27948 \\
 \hline
 60585
 \end{array}$$

Adding

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r}
 1 \quad 1 \\
 17185 \\
 + 9393 \\
 \hline
 \mathbf{26578}
 \end{array}$$

$$\begin{array}{r}
 1 \quad 11 \\
 27486 \\
 + 13298 \\
 \hline
 \mathbf{40784}
 \end{array}$$

$$\begin{array}{r}
 1 \quad 1111 \\
 36487 \\
 + 19798 \\
 \hline
 \mathbf{56285}
 \end{array}$$

$$\begin{array}{r}
 1 \\
 54466 \\
 + 69303 \\
 \hline
 \mathbf{123769}
 \end{array}$$

$$\begin{array}{r}
 11 \\
 47821 \\
 + 43946 \\
 \hline
 \mathbf{91767}
 \end{array}$$

$$\begin{array}{r}
 1 \quad 11 \\
 62372 \\
 + 9529 \\
 \hline
 \mathbf{71901}
 \end{array}$$

$$\begin{array}{r}
 111 \\
 86243 \\
 + 27862 \\
 \hline
 \mathbf{114105}
 \end{array}$$

$$\begin{array}{r}
 1111 \\
 76643 \\
 + 23558 \\
 \hline
 \mathbf{100201}
 \end{array}$$

$$\begin{array}{r}
 11 \\
 60084 \\
 + 43296 \\
 \hline
 \mathbf{103380}
 \end{array}$$

$$\begin{array}{r}
 11 \quad 1 \\
 58613 \\
 + 7738 \\
 \hline
 \mathbf{66351}
 \end{array}$$

$$\begin{array}{r}
 1111 \\
 10497 \\
 + 9518 \\
 \hline
 \mathbf{20015}
 \end{array}$$

$$\begin{array}{r}
 11 \quad 1 \\
 68414 \\
 + 53807 \\
 \hline
 \mathbf{122221}
 \end{array}$$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 42211 \\ + 86554 \\ \hline \end{array}$	B $\begin{array}{r} 35026 \\ + 17601 \\ \hline \end{array}$	C $\begin{array}{r} 77487 \\ + 14192 \\ \hline \end{array}$	D $\begin{array}{r} 159 \\ - 11 \\ \hline \end{array}$	E $\begin{array}{r} 101 \\ + 991 \\ \hline \end{array}$
F $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	G $\begin{array}{r} 867 \\ + 220 \\ \hline \end{array}$	H $\begin{array}{r} 634 \\ + 662 \\ \hline \end{array}$	I $\begin{array}{r} 54719 \\ + 76493 \\ \hline \end{array}$	J $\begin{array}{r} 829 \\ + 410 \\ \hline \end{array}$
K $\begin{array}{r} 387 \\ + 81 \\ \hline \end{array}$	L $\begin{array}{r} 556 \\ - 21 \\ \hline \end{array}$	M $\begin{array}{r} 984 \\ + 611 \\ \hline \end{array}$	N $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$	O $\begin{array}{r} 639 \\ + 84 \\ \hline \end{array}$
P $\begin{array}{r} 49129 \\ + 96702 \\ \hline \end{array}$	Q $\begin{array}{r} 733 \\ - 30 \\ \hline \end{array}$	R $\begin{array}{r} 74384 \\ + 61565 \\ \hline \end{array}$	S $\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	T $\begin{array}{r} 484 \\ - 22 \\ \hline \end{array}$
U $\begin{array}{r} 697 \\ - 62 \\ \hline \end{array}$	V $\begin{array}{r} 376 \\ - 22 \\ \hline \end{array}$	W $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$	X $\begin{array}{r} 83680 \\ + 77288 \\ \hline \end{array}$	Y $\begin{array}{r} 165 \\ + 934 \\ \hline \end{array}$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 94467 \\ + 37817 \\ \hline \end{array}$	B $\begin{array}{r} 405 \\ + 78 \\ \hline \end{array}$	C $\begin{array}{r} 547 \\ - 33 \\ \hline \end{array}$	D $\begin{array}{r} 731 \\ + 517 \\ \hline \end{array}$	E $\begin{array}{r} 340 \\ + 913 \\ \hline \end{array}$
F $\begin{array}{r} 367 \\ + 812 \\ \hline \end{array}$	G $\begin{array}{r} 499 \\ - 40 \\ \hline \end{array}$	H $\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$	I $\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	J $\begin{array}{r} 44134 \\ + 13690 \\ \hline \end{array}$
K $\begin{array}{r} 27527 \\ + 92339 \\ \hline \end{array}$	L $\begin{array}{r} 914 \\ - 11 \\ \hline \end{array}$	M $\begin{array}{r} 943 \\ + 433 \\ \hline \end{array}$	N $\begin{array}{r} 300 \\ + 928 \\ \hline \end{array}$	O $\begin{array}{r} 62343 \\ + 29282 \\ \hline \end{array}$
P $\begin{array}{r} 532 \\ + 47 \\ \hline \end{array}$	Q $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$	R $\begin{array}{r} 634 \\ - 14 \\ \hline \end{array}$	S $\begin{array}{r} 718 \\ + 380 \\ \hline \end{array}$	T $\begin{array}{r} 558 \\ - 57 \\ \hline \end{array}$
U $\begin{array}{r} 33442 \\ + 21553 \\ \hline \end{array}$	V $\begin{array}{r} 118 \\ - 14 \\ \hline \end{array}$	W $\begin{array}{r} 91649 \\ + 12970 \\ \hline \end{array}$	X $\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	Y $\begin{array}{r} 62009 \\ + 22832 \\ \hline \end{array}$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	B $\begin{array}{r} 730 \\ + 868 \\ \hline \end{array}$	C $\begin{array}{r} 77217 \\ + 62165 \\ \hline \end{array}$	D $\begin{array}{r} 564 \\ - 21 \\ \hline \end{array}$	E $\begin{array}{r} 751 \\ - 41 \\ \hline \end{array}$
F $\begin{array}{r} 18947 \\ + 62791 \\ \hline \end{array}$	G $\begin{array}{r} 827 \\ + 411 \\ \hline \end{array}$	H $\begin{array}{r} 21938 \\ + 34736 \\ \hline \end{array}$	I $\begin{array}{r} 345 \\ - 21 \\ \hline \end{array}$	J $\begin{array}{r} 888 \\ + 501 \\ \hline \end{array}$
K $\begin{array}{r} 699 \\ - 10 \\ \hline \end{array}$	L $\begin{array}{r} 38696 \\ + 65963 \\ \hline \end{array}$	M $\begin{array}{r} 564 \\ + 75 \\ \hline \end{array}$	N $\begin{array}{r} 527 \\ + 961 \\ \hline \end{array}$	O $\begin{array}{r} 67894 \\ + 10425 \\ \hline \end{array}$
P $\begin{array}{r} 578 \\ + 70 \\ \hline \end{array}$	Q $\begin{array}{r} 319 \\ + 930 \\ \hline \end{array}$	R $\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$	S $\begin{array}{r} 913 \\ - 12 \\ \hline \end{array}$	T $\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$
U $\begin{array}{r} 464 \\ + 623 \\ \hline \end{array}$	V $\begin{array}{r} 43203 \\ + 40146 \\ \hline \end{array}$	W $\begin{array}{r} 45812 \\ + 36106 \\ \hline \end{array}$	X $\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	Y $\begin{array}{r} 969 \\ - 56 \\ \hline \end{array}$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	B $\begin{array}{r} 944 \\ - 11 \\ \hline \end{array}$	C $\begin{array}{r} 287 \\ + 802 \\ \hline \end{array}$	D $\begin{array}{r} 58796 \\ + 39024 \\ \hline \end{array}$	E $\begin{array}{r} 659 \\ - 29 \\ \hline \end{array}$
F $\begin{array}{r} 699 \\ + 73 \\ \hline \end{array}$	G $\begin{array}{r} 382 \\ - 30 \\ \hline \end{array}$	H $\begin{array}{r} 92709 \\ + 94580 \\ \hline \end{array}$	I $\begin{array}{r} 611 \\ + 925 \\ \hline \end{array}$	J $\begin{array}{r} 636 \\ + 900 \\ \hline \end{array}$
K $\begin{array}{r} 92065 \\ + 52288 \\ \hline \end{array}$	L $\begin{array}{r} 69183 \\ + 60414 \\ \hline \end{array}$	M $\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$	N $\begin{array}{r} 764 \\ - 52 \\ \hline \end{array}$	O $\begin{array}{r} 334 \\ + 961 \\ \hline \end{array}$
P $\begin{array}{r} 433 \\ - 32 \\ \hline \end{array}$	Q $\begin{array}{r} 53283 \\ + 45631 \\ \hline \end{array}$	R $\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$	S $\begin{array}{r} 664 \\ - 64 \\ \hline \end{array}$	T $\begin{array}{r} 674 \\ + 523 \\ \hline \end{array}$
U $\begin{array}{r} 75039 \\ + 20545 \\ \hline \end{array}$	V $\begin{array}{r} 566 \\ + 601 \\ \hline \end{array}$	W $\begin{array}{r} 835 \\ + 27 \\ \hline \end{array}$	X $\begin{array}{r} 48389 \\ + 78428 \\ \hline \end{array}$	Y $\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$

Adding

Practice Answer Sheet

Day 1

A 128765	B 52627	C 91679	D 148	E 1092
F 72	G 1087	H 1296	I 131212	J 1239
K 468	L 535	M 1595	N 40	O 723
P 145831	Q 703	R 135949	S 28	T 462
U 635	V 354	W 24	X 160968	Y 1099

Day 2

A 132284	B 483	C 514	D 1248	E 1253
F 1179	G 459	H 72	I 42	J 57824
K 119866	L 903	M 1376	N 1228	O 91625
P 579	Q 40	R 620	S 1098	T 501
U 54995	V 104	W 104619	X 54	Y 84841

Day 3

A 72	B 1598	C 139382	D 543	E 710
F 81738	G 1238	H 56674	I 324	J 1389
K 689	L 104659	M 639	N 1488	O 78319
P 648	Q 1249	R 6	S 901	T 7
U 1087	V 83349	W 81918	X 48	Y 913

Day 4

A 81	B 933	C 1089	D 97820	E 630
F 772	G 352	H 187289	I 1536	J 1536
K 144353	L 129597	M 0	N 712	O 1295
P 401	Q 98914	R 0	S 600	T 1197
U 95584	V 1167	W 862	X 126817	Y 72

Adding

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r} 96811 \\ + 53682 \\ \hline \end{array}$$

$$\begin{array}{r} 34842 \\ + 21556 \\ \hline \end{array}$$

$$\begin{array}{r} 60228 \\ + 16988 \\ \hline \end{array}$$

$$\begin{array}{r} 67842 \\ + 21576 \\ \hline \end{array}$$

$$\begin{array}{r} 47842 \\ + 26845 \\ \hline \end{array}$$

$$\begin{array}{r} 76402 \\ + 24856 \\ \hline \end{array}$$

$$\begin{array}{r} 76532 \\ + 17266 \\ \hline \end{array}$$

$$\begin{array}{r} 43355 \\ + 28283 \\ \hline \end{array}$$

$$\begin{array}{r} 46343 \\ + 32795 \\ \hline \end{array}$$

$$\begin{array}{r} 58241 \\ + 39127 \\ \hline \end{array}$$

$$\begin{array}{r} 37019 \\ + 54322 \\ \hline \end{array}$$

$$\begin{array}{r} 57821 \\ + 57784 \\ \hline \end{array}$$

Adding

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r} 15970 \\ + 10959 \\ \hline \end{array}$$

$$\begin{array}{r} 74872 \\ + 61097 \\ \hline \end{array}$$

$$\begin{array}{r} 78214 \\ + 7968 \\ \hline \end{array}$$

$$\begin{array}{r} 37048 \\ + 26185 \\ \hline \end{array}$$

$$\begin{array}{r} 32584 \\ + 28675 \\ \hline \end{array}$$

$$\begin{array}{r} 27669 \\ + 18762 \\ \hline \end{array}$$

$$\begin{array}{r} 19586 \\ + 9997 \\ \hline \end{array}$$

$$\begin{array}{r} 27994 \\ + 18448 \\ \hline \end{array}$$

$$\begin{array}{r} 28070 \\ + 26684 \\ \hline \end{array}$$

$$\begin{array}{r} 81089 \\ + 18579 \\ \hline \end{array}$$

$$\begin{array}{r} 49607 \\ + 27917 \\ \hline \end{array}$$

$$\begin{array}{r} 44680 \\ + 16106 \\ \hline \end{array}$$

Adding

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r} 38653 \\ + 36246 \\ \hline \end{array}$$

$$\begin{array}{r} 58918 \\ + 24020 \\ \hline \end{array}$$

$$\begin{array}{r} 22563 \\ + 8784 \\ \hline \end{array}$$

$$\begin{array}{r} 71661 \\ + 15762 \\ \hline \end{array}$$

$$\begin{array}{r} 69283 \\ + 58494 \\ \hline \end{array}$$

$$\begin{array}{r} 81047 \\ + 69042 \\ \hline \end{array}$$

$$\begin{array}{r} 12984 \\ + 6867 \\ \hline \end{array}$$

$$\begin{array}{r} 92436 \\ + 38547 \\ \hline \end{array}$$

$$\begin{array}{r} 67093 \\ + 24436 \\ \hline \end{array}$$

$$\begin{array}{r} 69821 \\ + 3951 \\ \hline \end{array}$$

$$\begin{array}{r} 95564 \\ + 24987 \\ \hline \end{array}$$

$$\begin{array}{r} 32637 \\ + 27948 \\ \hline \end{array}$$

Adding

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r} 17185 \\ + 9393 \\ \hline \end{array}$$

$$\begin{array}{r} 27486 \\ + 13298 \\ \hline \end{array}$$

$$\begin{array}{r} 36487 \\ + 19798 \\ \hline \end{array}$$

$$\begin{array}{r} 54466 \\ + 69303 \\ \hline \end{array}$$

$$\begin{array}{r} 47821 \\ + 43946 \\ \hline \end{array}$$

$$\begin{array}{r} 62372 \\ + 9529 \\ \hline \end{array}$$

$$\begin{array}{r} 86243 \\ + 27862 \\ \hline \end{array}$$

$$\begin{array}{r} 76643 \\ + 23558 \\ \hline \end{array}$$

$$\begin{array}{r} 60084 \\ + 43296 \\ \hline \end{array}$$

$$\begin{array}{r} 58613 \\ + 7738 \\ \hline \end{array}$$

$$\begin{array}{r} 10497 \\ + 9518 \\ \hline \end{array}$$

$$\begin{array}{r} 68414 \\ + 53807 \\ \hline \end{array}$$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 42211 \\ + 86554 \\ \hline \end{array}$	B $\begin{array}{r} 35026 \\ + 17601 \\ \hline \end{array}$	C $\begin{array}{r} 77487 \\ + 14192 \\ \hline \end{array}$	D $\begin{array}{r} 159 \\ - 11 \\ \hline \end{array}$	E $\begin{array}{r} 101 \\ + 991 \\ \hline \end{array}$
F $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	G $\begin{array}{r} 867 \\ + 220 \\ \hline \end{array}$	H $\begin{array}{r} 634 \\ + 662 \\ \hline \end{array}$	I $\begin{array}{r} 54719 \\ + 76493 \\ \hline \end{array}$	J $\begin{array}{r} 829 \\ + 410 \\ \hline \end{array}$
K $\begin{array}{r} 387 \\ + 81 \\ \hline \end{array}$	L $\begin{array}{r} 556 \\ - 21 \\ \hline \end{array}$	M $\begin{array}{r} 984 \\ + 611 \\ \hline \end{array}$	N $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$	O $\begin{array}{r} 639 \\ + 84 \\ \hline \end{array}$
P $\begin{array}{r} 49129 \\ + 96702 \\ \hline \end{array}$	Q $\begin{array}{r} 733 \\ - 30 \\ \hline \end{array}$	R $\begin{array}{r} 74384 \\ + 61565 \\ \hline \end{array}$	S $\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	T $\begin{array}{r} 484 \\ - 22 \\ \hline \end{array}$
U $\begin{array}{r} 697 \\ - 62 \\ \hline \end{array}$	V $\begin{array}{r} 376 \\ - 22 \\ \hline \end{array}$	W $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$	X $\begin{array}{r} 83680 \\ + 77288 \\ \hline \end{array}$	Y $\begin{array}{r} 165 \\ + 934 \\ \hline \end{array}$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 94467 \\ + 37817 \\ \hline \end{array}$	B $\begin{array}{r} 405 \\ + 78 \\ \hline \end{array}$	C $\begin{array}{r} 547 \\ - 33 \\ \hline \end{array}$	D $\begin{array}{r} 731 \\ + 517 \\ \hline \end{array}$	E $\begin{array}{r} 340 \\ + 913 \\ \hline \end{array}$
F $\begin{array}{r} 367 \\ + 812 \\ \hline \end{array}$	G $\begin{array}{r} 499 \\ - 40 \\ \hline \end{array}$	H $\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$	I $\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	J $\begin{array}{r} 44134 \\ + 13690 \\ \hline \end{array}$
K $\begin{array}{r} 27527 \\ + 92339 \\ \hline \end{array}$	L $\begin{array}{r} 914 \\ - 11 \\ \hline \end{array}$	M $\begin{array}{r} 943 \\ + 433 \\ \hline \end{array}$	N $\begin{array}{r} 300 \\ + 928 \\ \hline \end{array}$	O $\begin{array}{r} 62343 \\ + 29282 \\ \hline \end{array}$
P $\begin{array}{r} 532 \\ + 47 \\ \hline \end{array}$	Q $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$	R $\begin{array}{r} 634 \\ - 14 \\ \hline \end{array}$	S $\begin{array}{r} 718 \\ + 380 \\ \hline \end{array}$	T $\begin{array}{r} 558 \\ - 57 \\ \hline \end{array}$
U $\begin{array}{r} 33442 \\ + 21553 \\ \hline \end{array}$	V $\begin{array}{r} 118 \\ - 14 \\ \hline \end{array}$	W $\begin{array}{r} 91649 \\ + 12970 \\ \hline \end{array}$	X $\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	Y $\begin{array}{r} 62009 \\ + 22832 \\ \hline \end{array}$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	B $\begin{array}{r} 730 \\ + 868 \\ \hline \end{array}$	C $\begin{array}{r} 77217 \\ + 62165 \\ \hline \end{array}$	D $\begin{array}{r} 564 \\ - 21 \\ \hline \end{array}$	E $\begin{array}{r} 751 \\ - 41 \\ \hline \end{array}$
F $\begin{array}{r} 18947 \\ + 62791 \\ \hline \end{array}$	G $\begin{array}{r} 827 \\ + 411 \\ \hline \end{array}$	H $\begin{array}{r} 21938 \\ + 34736 \\ \hline \end{array}$	I $\begin{array}{r} 345 \\ - 21 \\ \hline \end{array}$	J $\begin{array}{r} 888 \\ + 501 \\ \hline \end{array}$
K $\begin{array}{r} 699 \\ - 10 \\ \hline \end{array}$	L $\begin{array}{r} 38696 \\ + 65963 \\ \hline \end{array}$	M $\begin{array}{r} 564 \\ + 75 \\ \hline \end{array}$	N $\begin{array}{r} 527 \\ + 961 \\ \hline \end{array}$	O $\begin{array}{r} 67894 \\ + 10425 \\ \hline \end{array}$
P $\begin{array}{r} 578 \\ + 70 \\ \hline \end{array}$	Q $\begin{array}{r} 319 \\ + 930 \\ \hline \end{array}$	R $\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$	S $\begin{array}{r} 913 \\ - 12 \\ \hline \end{array}$	T $\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$
U $\begin{array}{r} 464 \\ + 623 \\ \hline \end{array}$	V $\begin{array}{r} 43203 \\ + 40146 \\ \hline \end{array}$	W $\begin{array}{r} 45812 \\ + 36106 \\ \hline \end{array}$	X $\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	Y $\begin{array}{r} 969 \\ - 56 \\ \hline \end{array}$

Adding Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	B $\begin{array}{r} 944 \\ - 11 \\ \hline \end{array}$	C $\begin{array}{r} 287 \\ + 802 \\ \hline \end{array}$	D $\begin{array}{r} 58796 \\ + 39024 \\ \hline \end{array}$	E $\begin{array}{r} 659 \\ - 29 \\ \hline \end{array}$
F $\begin{array}{r} 699 \\ + 73 \\ \hline \end{array}$	G $\begin{array}{r} 382 \\ - 30 \\ \hline \end{array}$	H $\begin{array}{r} 92709 \\ + 94580 \\ \hline \end{array}$	I $\begin{array}{r} 611 \\ + 925 \\ \hline \end{array}$	J $\begin{array}{r} 636 \\ + 900 \\ \hline \end{array}$
K $\begin{array}{r} 92065 \\ + 52288 \\ \hline \end{array}$	L $\begin{array}{r} 69183 \\ + 60414 \\ \hline \end{array}$	M $\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$	N $\begin{array}{r} 764 \\ - 52 \\ \hline \end{array}$	O $\begin{array}{r} 334 \\ + 961 \\ \hline \end{array}$
P $\begin{array}{r} 433 \\ - 32 \\ \hline \end{array}$	Q $\begin{array}{r} 53283 \\ + 45631 \\ \hline \end{array}$	R $\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$	S $\begin{array}{r} 664 \\ - 64 \\ \hline \end{array}$	T $\begin{array}{r} 674 \\ + 523 \\ \hline \end{array}$
U $\begin{array}{r} 75039 \\ + 20545 \\ \hline \end{array}$	V $\begin{array}{r} 566 \\ + 601 \\ \hline \end{array}$	W $\begin{array}{r} 835 \\ + 27 \\ \hline \end{array}$	X $\begin{array}{r} 48389 \\ + 78428 \\ \hline \end{array}$	Y $\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$

Adding Fractions With Like Denominators

Coach's Question Sheet

1. Read the problem aloud.
2. Rewrite the problem, vertically, in the space below the first fraction.
3. Do you need to add or subtract the fractions?
4. Add the fractions.
5. Add the whole numbers if there are whole numbers in the problem.
6. Do you need to rename the fraction? If yes, do it. (If you need help, see Renaming Hint below)
7. Add renamed fraction to the whole number if there is a whole number.
8. Do you need to reduce your fraction to lowest terms? If yes, do it.
9. Write you answer in the circle.

Hint for Renaming When Adding

Is the numerator of the fraction less than, equal to, or greater than the denominator?

If LESS THAN, you do not need to rename the fraction.

If EQUAL TO, the fraction equals 1.

EXAMPLE: $\frac{3}{3} = 1$

If GREATER THAN, divide the numerator by the denominator. The quotient becomes a whole number, the remainder becomes the numerator, and the divisor remains the denominator. This number is your renamed fraction.

EXAMPLE: $\frac{9}{7}$

$$\begin{array}{r} 1 \text{ r } 2 \\ 7 \overline{) 9} \\ \underline{- 7} \\ 2 \end{array}$$

Divisor
Quotient
Remainder

$\frac{9}{7} = 1 \frac{2}{7}$

Subtracting Fractions With Like Denominators

Coach's Question Sheet

1. Read the problem aloud.
2. Rewrite the problem, vertically, in the space below the first fraction.
3. Do you need to add or subtract the fractions?
4. Do you need to rename the top fraction?
 If YES, do it, and rewrite the problem in the boxes.
 (If you need help, see Renaming Hint below.)
 If NO, cross out the boxes.
5. Subtract the fractions.
6. Subtract the whole numbers.
7. Do you need to reduce your fraction to lowest terms? If yes, do it.
8. Write you answer in the circle.

Hint for Renaming When Subtracting

Is the numerator of the fraction greater than or less than the numerator of the bottom fraction?

If GREATER THAN, you do not need to rename the fraction.

If LESS THAN, you do need to rename the fraction. Change the whole number into a mixed number by trading 1 whole unit for a fraction.

EXAMPLE: $3 = 2\frac{4}{4}$

Add the fractions. Add the whole number.
This number is your renamed fraction.

EXAMPLE:

$$\begin{array}{r}
 3\frac{1}{4} \\
 - 1\frac{3}{4} \\
 \hline
 \end{array}
 \quad
 3 = 2\frac{4}{4}
 \quad
 2\frac{4}{4} + \frac{1}{4} = 2\frac{5}{4}
 \quad
 \begin{array}{r}
 2\frac{5}{4} \\
 - 1\frac{3}{4} \\
 \hline
 \end{array}$$

Adding Fractions With Like Denominators

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r} \frac{7}{12} + \frac{8}{12} = \boxed{1\frac{1}{4}} \\ \frac{7}{12} \\ + \frac{8}{12} \\ \hline \end{array}$$

$$4\frac{6}{9} + 2\frac{4}{9} = \boxed{7\frac{1}{9}}$$

$$\begin{array}{r} 4\frac{6}{9} \\ + 2\frac{4}{9} \\ \hline \end{array}$$

$$5\frac{3}{8} + 1\frac{5}{8} = \boxed{7}$$

$$\begin{array}{r} 5\frac{3}{8} \\ + 1\frac{5}{8} \\ \hline \end{array}$$

$$\frac{15}{12} + 1\frac{3}{12} = 1\frac{1}{4}$$

$$6\frac{10}{9} = 6 + 1\frac{1}{9} = 7\frac{1}{9}$$

$$6\frac{8}{8} = 6 + 1 = 7$$

$$\begin{array}{r} \frac{4}{7} + \frac{6}{7} = \boxed{1\frac{3}{7}} \\ \frac{4}{7} \\ + \frac{6}{7} \\ \hline \end{array}$$

$$6\frac{3}{8} + 4\frac{7}{8} = \boxed{11\frac{1}{4}}$$

$$\begin{array}{r} 6\frac{3}{8} \\ + 4\frac{7}{8} \\ \hline \end{array}$$

$$\frac{4}{9} + \frac{5}{9} = \boxed{1}$$

$$\begin{array}{r} \frac{4}{9} \\ + \frac{5}{9} \\ \hline \end{array}$$

$$\frac{10}{7} = 1\frac{3}{7}$$

$$10\frac{10}{8} = 10 + 1\frac{2}{8} = 11\frac{2}{8} = 11\frac{1}{4}$$

$$\frac{9}{9} = 1$$

$$9\frac{3}{6} + 2\frac{5}{6} = \boxed{12\frac{1}{3}}$$

$$\begin{array}{r} 9\frac{3}{6} \\ + 2\frac{5}{6} \\ \hline \end{array}$$

$$\frac{5}{10} + \frac{7}{10} = \boxed{1\frac{1}{5}}$$

$$\begin{array}{r} \frac{5}{10} \\ + \frac{7}{10} \\ \hline \end{array}$$

$$8\frac{3}{7} + 3\frac{6}{7} = \boxed{12\frac{2}{7}}$$

$$\begin{array}{r} 8\frac{3}{7} \\ + 3\frac{6}{7} \\ \hline \end{array}$$

$$11\frac{8}{6} = 11 + 1\frac{2}{6} = 12\frac{2}{6} = 12\frac{1}{3}$$

$$\frac{12}{10} = 1\frac{2}{10} = 1\frac{1}{5}$$

$$11\frac{9}{7} = 11 + 1\frac{2}{7} = 12\frac{2}{7}$$

$$\begin{array}{r} \frac{6}{8} + \frac{4}{8} = \boxed{1\frac{1}{4}} \\ \frac{6}{8} \\ + \frac{4}{8} \\ \hline \end{array}$$

$$3\frac{6}{9} + 5\frac{3}{9} = \boxed{9}$$

$$\begin{array}{r} 3\frac{6}{9} \\ + 5\frac{3}{9} \\ \hline \end{array}$$

$$2\frac{4}{10} + 6\frac{8}{10} = \boxed{9\frac{1}{5}}$$

$$\begin{array}{r} 2\frac{4}{10} \\ + 6\frac{8}{10} \\ \hline \end{array}$$

$$\frac{10}{8} + 1\frac{2}{8} = 1\frac{1}{4}$$

$$8\frac{9}{9} = 8 + 1 = 9$$

$$8\frac{12}{10} = 8 + 1\frac{2}{10} = 9\frac{2}{10} = 9\frac{1}{5}$$

Adding Fractions With Like Denominators

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r} \frac{6}{10} + \frac{8}{10} = \boxed{1\frac{2}{5}} \\ \frac{6}{10} \\ + \frac{8}{10} \\ \hline \end{array}$$

$$\frac{14}{10} = 1\frac{4}{10} = 1\frac{2}{5}$$

$$\begin{array}{r} 5\frac{4}{5} + 2\frac{3}{5} = \boxed{8\frac{2}{5}} \\ 5\frac{4}{5} \\ + 2\frac{3}{5} \\ \hline \end{array}$$

$$7\frac{7}{5} = 7 + 1\frac{2}{5} = 8\frac{2}{5}$$

$$\begin{array}{r} 3\frac{2}{3} + 4\frac{1}{3} = \boxed{8} \\ 3\frac{2}{3} \\ + 4\frac{1}{3} \\ \hline \end{array}$$

$$7\frac{3}{3} = 7 + 1 = 8$$

$$\begin{array}{r} 6\frac{4}{6} + 3\frac{3}{6} = \boxed{10\frac{1}{6}} \\ 6\frac{4}{6} \\ + 3\frac{3}{6} \\ \hline \end{array}$$

$$9\frac{7}{6} = 9 + 1\frac{1}{6} = 10\frac{1}{6}$$

$$\begin{array}{r} \frac{4}{8} + \frac{5}{8} = \boxed{1\frac{1}{8}} \\ \frac{4}{8} \\ + \frac{5}{8} \\ \hline \end{array}$$

$$\frac{9}{8} = 1\frac{1}{8}$$

$$\begin{array}{r} 4\frac{6}{8} + 2\frac{4}{8} = \boxed{7\frac{1}{4}} \\ 4\frac{6}{8} \\ + 2\frac{4}{8} \\ \hline \end{array}$$

$$6\frac{10}{8} = 6 + 1\frac{2}{8} = 7\frac{2}{8} = 7\frac{1}{4}$$

$$\begin{array}{r} 7\frac{5}{8} + 3\frac{3}{8} = \boxed{11} \\ 7\frac{5}{8} \\ + 3\frac{3}{8} \\ \hline \end{array}$$

$$10\frac{8}{8} = 10 + 1 = 11$$

$$\begin{array}{r} \frac{5}{9} + \frac{7}{9} = \boxed{1\frac{1}{3}} \\ \frac{5}{9} \\ + \frac{7}{9} \\ \hline \end{array}$$

$$\frac{12}{9} = 1\frac{3}{9} = 1\frac{1}{3}$$

$$\begin{array}{r} 8\frac{3}{4} + 4\frac{2}{4} = \boxed{13\frac{1}{4}} \\ 8\frac{3}{4} \\ + 4\frac{2}{4} \\ \hline \end{array}$$

$$12\frac{5}{4} = 12 + 1\frac{1}{4} = 13\frac{1}{4}$$

$$\begin{array}{r} \frac{7}{12} + \frac{8}{12} = \boxed{1\frac{1}{4}} \\ \frac{7}{12} \\ + \frac{8}{12} \\ \hline \end{array}$$

$$\frac{15}{12} = 1\frac{3}{12} = 1\frac{1}{4}$$

$$\begin{array}{r} 4\frac{8}{9} + 2\frac{3}{9} = \boxed{7\frac{2}{9}} \\ 4\frac{8}{9} \\ + 2\frac{3}{9} \\ \hline \end{array}$$

$$6\frac{11}{9} = 6 + 1\frac{2}{9} = 7\frac{2}{9}$$

$$\begin{array}{r} \frac{5}{6} + \frac{1}{6} = \boxed{1} \\ \frac{5}{6} \\ + \frac{1}{6} \\ \hline \end{array}$$

$$\frac{6}{6} = 1$$

Subtracting Fractions With Like Denominators

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$6\frac{4}{6} - 1\frac{5}{6} = \boxed{4\frac{5}{6}}$$

$$6\frac{4}{6} - 5\frac{6}{6} + \frac{4}{6} = \boxed{5\frac{10}{6}}$$

$$\begin{array}{r} 6\frac{4}{6} \\ - 1\frac{5}{6} \\ \hline 4\frac{5}{6} \end{array}$$

$$3\frac{5}{6} - 2\frac{3}{6} = \boxed{1\frac{1}{3}}$$

$$3\frac{5}{6} - \boxed{\text{X}}$$

$$\begin{array}{r} 3\frac{5}{6} \\ - 2\frac{3}{6} \\ \hline 1\frac{2}{6} = 1\frac{1}{3} \end{array}$$

$$8\frac{1}{4} - 4\frac{3}{4} = \boxed{3\frac{1}{2}}$$

$$8\frac{1}{4} - 7\frac{4}{4} + \frac{1}{4} = \boxed{7\frac{5}{4}}$$

$$\begin{array}{r} 8\frac{1}{4} \\ - 4\frac{3}{4} \\ \hline 3\frac{2}{4} = 3\frac{1}{2} \end{array}$$

$$4\frac{5}{9} - 2\frac{7}{9} = \boxed{1\frac{7}{9}}$$

$$4\frac{5}{9} - 3\frac{9}{9} + \frac{5}{9} = \boxed{3\frac{14}{9}}$$

$$\begin{array}{r} 4\frac{5}{9} \\ - 2\frac{7}{9} \\ \hline 1\frac{7}{9} \end{array}$$

$$7\frac{4}{8} - 1\frac{6}{8} = \boxed{5\frac{3}{4}}$$

$$7\frac{4}{8} - 6\frac{8}{8} + \frac{4}{8} = \boxed{6\frac{12}{8}}$$

$$\begin{array}{r} 7\frac{4}{8} \\ - 1\frac{6}{8} \\ \hline 5\frac{6}{8} = 5\frac{3}{4} \end{array}$$

$$9\frac{4}{6} - 6\frac{2}{6} = \boxed{3\frac{1}{3}}$$

$$9\frac{4}{6} - \boxed{\text{X}}$$

$$\begin{array}{r} 9\frac{4}{6} \\ - 6\frac{2}{6} \\ \hline 3\frac{2}{6} = 3\frac{1}{3} \end{array}$$

$$5\frac{5}{8} - 2\frac{6}{8} = \boxed{2\frac{7}{8}}$$

$$5\frac{5}{8} - 4\frac{8}{8} + \frac{5}{8} = \boxed{4\frac{13}{8}}$$

$$\begin{array}{r} 5\frac{5}{8} \\ - 2\frac{6}{8} \\ \hline 2\frac{7}{8} \end{array}$$

$$10\frac{4}{5} - 6\frac{2}{5} = \boxed{4\frac{2}{5}}$$

$$10\frac{4}{5} - \boxed{\text{X}}$$

$$\begin{array}{r} 10\frac{4}{5} \\ - 6\frac{2}{5} \\ \hline 4\frac{2}{5} \end{array}$$

$$7\frac{5}{12} - 3\frac{8}{12} = \boxed{3\frac{3}{4}}$$

$$7\frac{5}{12} - 6\frac{12}{12} + \frac{5}{12} = \boxed{6\frac{17}{12}}$$

$$\begin{array}{r} 7\frac{5}{12} \\ - 3\frac{8}{12} \\ \hline 3\frac{9}{12} = 3\frac{3}{4} \end{array}$$

$$6\frac{5}{7} - 4\frac{6}{7} = \boxed{1\frac{6}{7}}$$

$$6\frac{5}{7} - 5\frac{7}{7} + \frac{5}{7} = \boxed{5\frac{12}{7}}$$

$$\begin{array}{r} 6\frac{5}{7} \\ - 4\frac{6}{7} \\ \hline 1\frac{6}{7} \end{array}$$

$$9\frac{6}{10} - 2\frac{4}{10} = \boxed{7\frac{1}{5}}$$

$$9\frac{6}{10} - \boxed{\text{X}}$$

$$\begin{array}{r} 9\frac{6}{10} \\ - 2\frac{4}{10} \\ \hline 7\frac{2}{10} = 7\frac{1}{5} \end{array}$$

$$8\frac{3}{8} - 1\frac{5}{8} = \boxed{6\frac{3}{4}}$$

$$8\frac{3}{8} - 7\frac{8}{8} + \frac{3}{8} = \boxed{7\frac{11}{8}}$$

$$\begin{array}{r} 8\frac{3}{8} \\ - 1\frac{5}{8} \\ \hline 6\frac{6}{8} = 6\frac{3}{4} \end{array}$$

Subtracting Fractions With Like Denominators

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\begin{array}{r}
 7\frac{5}{8} - 2\frac{7}{8} = \boxed{4\frac{3}{4}} \\
 7\frac{5}{8} - 6\frac{8}{8} + \frac{5}{8} = \boxed{6\frac{13}{8}} \\
 -2\frac{7}{8} \quad - \boxed{2\frac{7}{8}} \\
 \hline
 4\frac{6}{8} = 4\frac{3}{4}
 \end{array}$$

$$\begin{array}{r}
 6\frac{8}{10} - 3\frac{3}{10} = \boxed{3\frac{1}{2}} \\
 6\frac{8}{10} \\
 -3\frac{3}{10} \quad - \boxed{} \\
 \hline
 3\frac{5}{10} = 3\frac{1}{2}
 \end{array}$$

$$\begin{array}{r}
 4\frac{5}{7} - 1\frac{6}{7} = \boxed{2\frac{6}{7}} \\
 4\frac{5}{7} - 3\frac{7}{7} + \frac{5}{7} = \boxed{3\frac{12}{7}} \\
 -1\frac{6}{7} \quad - \boxed{1\frac{6}{7}} \\
 \hline
 2\frac{6}{7}
 \end{array}$$

$$\begin{array}{r}
 9\frac{5}{6} - 2\frac{3}{6} = \boxed{7\frac{1}{3}} \\
 9\frac{5}{6} \\
 -2\frac{3}{6} \quad - \boxed{} \\
 \hline
 7\frac{2}{6} = 7\frac{1}{3}
 \end{array}$$

$$\begin{array}{r}
 8\frac{2}{8} - 3\frac{5}{8} = \boxed{4\frac{5}{8}} \\
 8\frac{2}{8} - 7\frac{8}{8} + \frac{2}{8} = \boxed{7\frac{10}{8}} \\
 -3\frac{5}{8} \quad - \boxed{3\frac{5}{8}} \\
 \hline
 4\frac{5}{8}
 \end{array}$$

$$\begin{array}{r}
 5\frac{4}{10} - 3\frac{2}{10} = \boxed{1\frac{4}{5}} \\
 5\frac{4}{10} - 4\frac{10}{10} + \frac{4}{10} = \boxed{4\frac{14}{10}} \\
 -3\frac{6}{10} \quad - \boxed{3\frac{6}{10}} \\
 \hline
 1\frac{8}{10} = 1\frac{4}{5}
 \end{array}$$

$$\begin{array}{r}
 7\frac{5}{7} - 2\frac{6}{7} = \boxed{4\frac{6}{7}} \\
 7\frac{5}{7} - 6\frac{7}{7} + \frac{5}{7} = \boxed{6\frac{12}{7}} \\
 -2\frac{6}{7} \quad - \boxed{2\frac{6}{7}} \\
 \hline
 4\frac{6}{7}
 \end{array}$$

$$\begin{array}{r}
 10\frac{4}{10} - 3\frac{6}{10} = \boxed{6\frac{4}{5}} \\
 10\frac{4}{10} - 9\frac{10}{10} + \frac{4}{10} = \boxed{9\frac{14}{10}} \\
 -3\frac{6}{10} \quad - \boxed{3\frac{6}{10}} \\
 \hline
 6\frac{8}{10} = 6\frac{4}{5}
 \end{array}$$

$$\begin{array}{r}
 8\frac{6}{8} - 2\frac{2}{8} = \boxed{6\frac{1}{2}} \\
 8\frac{6}{8} \\
 -2\frac{2}{8} \quad - \boxed{} \\
 \hline
 6\frac{4}{8} = 6\frac{1}{2}
 \end{array}$$

$$\begin{array}{r}
 6\frac{1}{4} - 3\frac{3}{4} = \boxed{2\frac{1}{2}} \\
 6\frac{1}{4} - 5\frac{4}{4} + \frac{1}{4} = \boxed{5\frac{5}{4}} \\
 -3\frac{3}{4} \quad - \boxed{3\frac{3}{4}} \\
 \hline
 2\frac{2}{4} = 2\frac{1}{2}
 \end{array}$$

$$\begin{array}{r}
 10\frac{5}{6} - 5\frac{3}{6} = \boxed{5\frac{1}{3}} \\
 10\frac{5}{6} \\
 -5\frac{3}{6} \quad - \boxed{} \\
 \hline
 5\frac{2}{6} = 5\frac{1}{3}
 \end{array}$$

$$\begin{array}{r}
 4\frac{3}{5} - 2\frac{4}{5} = \boxed{1\frac{4}{5}} \\
 4\frac{3}{5} - 3\frac{5}{5} + \frac{3}{5} = \boxed{3\frac{8}{5}} \\
 -2\frac{4}{5} \quad - \boxed{2\frac{4}{5}} \\
 \hline
 1\frac{4}{5}
 \end{array}$$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 95 \\ \times 2 \\ \hline \end{array}$	B Reduce: $\frac{8}{16} =$	C Rename as mixed: $\frac{42}{5} =$	D $\begin{array}{r} 421 \\ - 17 \\ \hline \end{array}$	E $\begin{array}{r} 524 \\ 656 \\ + 689 \\ \hline \end{array}$
F $\begin{array}{r} 91 \\ \times 1 \\ \hline \end{array}$	G $\frac{1}{5} + \frac{4}{5} =$	H Rename as improper: $9\frac{6}{7} =$	I $5\frac{4}{5} + 8\frac{1}{5} =$	J $\begin{array}{r} 431 \\ - 31 \\ \hline \end{array}$
K $4 \overline{)700}$	L $9\frac{6}{7} - 7 =$	M Reduce: $\frac{9}{12} =$	N $1\frac{2}{3} + 7 =$	O $4 \overline{)200}$
P Rename as mixed: $\frac{53}{6} =$	Q $\frac{6}{7} + \frac{1}{7} =$	R $4\frac{4}{5} + 4\frac{2}{5} =$	S $\begin{array}{r} 662 \\ - 78 \\ \hline \end{array}$	T $\frac{1}{7} + \frac{6}{7} =$
U $\begin{array}{r} 31439 \\ + 86542 \\ \hline \end{array}$	V $5 \overline{)900}$	W $\begin{array}{r} 25 \\ \times 6 \\ \hline \end{array}$	X $\begin{array}{r} 45271 \\ + 31473 \\ \hline \end{array}$	Y $6\frac{4}{5} + 9\frac{4}{5} =$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 430 \\ - 31 \\ \hline \end{array}$	B Reduce: $\frac{12}{28} =$	C $\begin{array}{r} 818 \\ 428 \\ + 683 \\ \hline \end{array}$	D $9\frac{2}{5} + 5\frac{4}{5} =$	E $2 \overline{)400}$
F $1\frac{1}{3} + 3\frac{2}{3} =$	G $\frac{1}{7} + \frac{6}{7} =$	H $2 \overline{)300}$	I $5\frac{4}{7} + 4 =$	J $\frac{4}{7} + \frac{5}{7} =$
K $6\frac{1}{2} - 5 =$	L $\begin{array}{r} 21 \\ \times 6 \\ \hline \end{array}$	M Reduce: $\frac{4}{20} =$	N Rename as mixed: $\frac{16}{6} =$	O $\begin{array}{r} 668 \\ - 94 \\ \hline \end{array}$
P Rename as improper: $5\frac{2}{3} =$	Q Rename as mixed: $\frac{53}{6} =$	R $\begin{array}{r} 97444 \\ + 26917 \\ \hline \end{array}$	S $\begin{array}{r} 16 \\ \times 8 \\ \hline \end{array}$	T $\begin{array}{r} 95241 \\ + 56997 \\ \hline \end{array}$
U $\begin{array}{r} 923 \\ - 63 \\ \hline \end{array}$	V $8\frac{2}{3} + 6\frac{1}{3} =$	W $\frac{4}{7} + \frac{4}{7} =$	X $\begin{array}{r} 86 \\ \times 9 \\ \hline \end{array}$	Y $2 \overline{)300}$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $6\frac{6}{11} - 2\frac{2}{11} =$	B $\begin{array}{r} 72 \\ \times 1 \\ \hline \end{array}$	C Rename as mixed: $\frac{38}{4} =$	D $6\frac{4}{7} - 5\frac{6}{7} =$	E Rename as mixed: $\frac{9}{4} =$
F $\begin{array}{r} 417 \\ - 92 \\ \hline \end{array}$	G $8\frac{4}{11} + 1\frac{8}{11} =$	H $\begin{array}{r} 529 \\ - 27 \\ \hline \end{array}$	I $\begin{array}{r} 74407 \\ + 85136 \\ \hline \end{array}$	J $6\frac{4}{5} + 9 =$
K $4 \overline{)400}$	L Reduce: $\frac{5}{15} =$	M $\frac{4}{5} + \frac{2}{5} =$	N $\begin{array}{r} 95 \\ \times 5 \\ \hline \end{array}$	O $4\frac{5}{11} - 1 =$
P $\begin{array}{r} 528 \\ - 70 \\ \hline \end{array}$	Q Rename as improper: $4\frac{2}{3} =$	R $4 \overline{)300}$	S $6\frac{5}{7} - 2\frac{6}{7} =$	T $2\frac{1}{3} - 1\frac{2}{3} =$
U Reduce: $\frac{5}{10} =$	V $\begin{array}{r} 380 \\ 469 \\ + 312 \\ \hline \end{array}$	W $\begin{array}{r} 13 \\ \times 6 \\ \hline \end{array}$	X $\begin{array}{r} 25624 \\ + 35929 \\ \hline \end{array}$	Y $2 \overline{)100}$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $3\frac{1}{5} + 1\frac{4}{5} =$	B $\begin{array}{r} 98 \\ \times 2 \\ \hline \end{array}$	C Rename as mixed: $\frac{77}{8} =$	D Reduce: $\frac{6}{8} =$	E $1\frac{1}{3} + 4 =$
F $\begin{array}{r} 685 \\ 263 \\ + 154 \\ \hline \end{array}$	G $\begin{array}{r} 829 \\ - 81 \\ \hline \end{array}$	H $6 \overline{)750}$	I $4\frac{1}{5} - 3 =$	J $\begin{array}{r} 74407 \\ + 85136 \\ \hline \end{array}$
K $\begin{array}{r} 49 \\ \times 4 \\ \hline \end{array}$	L $6\frac{4}{11} - 4\frac{6}{11} =$	M $\begin{array}{r} 97813 \\ + 97139 \\ \hline \end{array}$	N $\begin{array}{r} 69 \\ \times 8 \\ \hline \end{array}$	O Rename as mixed: $\frac{34}{6} =$
P $7\frac{1}{5} - 2\frac{4}{5} =$	Q $\begin{array}{r} 826 \\ - 97 \\ \hline \end{array}$	R $\frac{6}{11} + \frac{6}{11} =$	S $\begin{array}{r} 420 \\ - 93 \\ \hline \end{array}$	T $4 \overline{)900}$
U Rename as improper: $9\frac{1}{2} =$	V $4 \overline{)800}$	W $2\frac{9}{11} + 1\frac{10}{11} =$	X Reduce: $\frac{8}{14} =$	Y $2\frac{1}{3} - 1\frac{2}{3} =$

Adding/Subtracting Fractions With Like Denominators

Practice Answer Sheet

Day 1

A 190	B $\frac{1}{2}$	C $8\frac{2}{5}$	D 404	E 1869
F 91	G 1	H $\frac{69}{7}$	I 14	J 400
K 175	L $2\frac{6}{7}$	M $\frac{3}{4}$	N $8\frac{2}{3}$	O 50
P $8\frac{5}{6}$	Q 1	R $9\frac{1}{5}$	S 584	T 1
U 117981	V 180	W 150	X 76744	Y $16\frac{3}{5}$

Day 2

A 399	B $\frac{3}{7}$	C 1929	D $15\frac{1}{5}$	E 200
F 5	G 1	H 150	I $9\frac{4}{7}$	J $1\frac{2}{7}$
K $1\frac{1}{2}$	L 126	M $\frac{1}{5}$	N $2\frac{2}{3}$	O 574
P $\frac{17}{3}$	Q $8\frac{5}{6}$	R 124361	S 128	T 152238
U 860	V 15	W $1\frac{1}{7}$	X 774	Y 150

Day 3

A $4\frac{4}{11}$	B 72	C $9\frac{1}{2}$	D $\frac{5}{7}$	E $2\frac{1}{4}$
F 325	G $10\frac{1}{11}$	H 502	I 159543	J $15\frac{4}{5}$
K 100	L $\frac{1}{3}$	M $1\frac{1}{5}$	N 475	O $3\frac{5}{11}$
P 458	Q $\frac{14}{3}$	R 75	S $3\frac{6}{7}$	T $\frac{2}{3}$
U $\frac{1}{2}$	V 1161	W 78	X 61553	Y 50

Day 4

A 5	B 196	C $9\frac{5}{8}$	D $\frac{3}{4}$	E $5\frac{1}{3}$
F 1102	G 748	H 125	I $1\frac{1}{5}$	J 159543
K 196	L $1\frac{9}{11}$	M 194952	N 552	O $5\frac{2}{3}$
P $4\frac{2}{5}$	Q 729	R $1\frac{1}{11}$	S 327	T 225
U $\frac{19}{2}$	V 200	W $4\frac{8}{11}$	X $\frac{4}{7}$	Y $\frac{2}{3}$

Adding Fractions With Like Denominators

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\frac{7}{12} + \frac{8}{12} = \boxed{}$$

+

$$4\frac{6}{9} + 2\frac{4}{9} = \boxed{}$$

+

$$5\frac{3}{8} + 1\frac{5}{8} = \boxed{}$$

+

$$\frac{4}{7} + \frac{6}{7} = \boxed{}$$

+

$$6\frac{3}{8} + 4\frac{7}{8} = \boxed{}$$

+

$$\frac{4}{9} + \frac{5}{9} = \boxed{}$$

+

$$9\frac{3}{6} + 2\frac{5}{6} = \boxed{}$$

+

$$\frac{5}{10} + \frac{7}{10} = \boxed{}$$

+

$$8\frac{3}{7} + 3\frac{6}{7} = \boxed{}$$

+

$$\frac{6}{8} + \frac{4}{8} = \boxed{}$$

+

$$3\frac{6}{9} + 5\frac{3}{9} = \boxed{}$$

+

$$2\frac{4}{10} + 6\frac{8}{10} = \boxed{}$$

+

Adding Fractions With Like Denominators

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$\frac{6}{10} + \frac{8}{10} = \boxed{}$$

+

$$5\frac{4}{5} + 2\frac{3}{5} = \boxed{}$$

+

$$3\frac{2}{3} + 4\frac{1}{3} = \boxed{}$$

+

$$6\frac{4}{6} + 3\frac{3}{6} = \boxed{}$$

+

$$\frac{4}{8} + \frac{5}{8} = \boxed{}$$

+

$$4\frac{6}{8} + 2\frac{4}{8} = \boxed{}$$

+

$$7\frac{5}{8} + 3\frac{3}{8} = \boxed{}$$

+

$$\frac{5}{9} + \frac{7}{9} = \boxed{}$$

+

$$8\frac{3}{4} + 4\frac{2}{4} = \boxed{}$$

+

$$\frac{7}{12} + \frac{8}{12} = \boxed{}$$

+

$$4\frac{8}{9} + 2\frac{3}{9} = \boxed{}$$

+

$$\frac{5}{6} + \frac{1}{6} = \boxed{}$$

+

Subtracting Fractions With Like Denominators

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$6\frac{4}{6} - 1\frac{5}{6} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$3\frac{5}{6} - 2\frac{3}{6} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$8\frac{1}{4} - 4\frac{3}{4} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$4\frac{5}{9} - 2\frac{7}{9} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$7\frac{4}{8} - 1\frac{6}{8} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$9\frac{4}{6} - 6\frac{2}{6} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$5\frac{5}{8} - 2\frac{6}{8} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$10\frac{4}{5} - 6\frac{2}{5} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$7\frac{5}{12} - 3\frac{8}{12} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$6\frac{5}{7} - 4\frac{6}{7} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$9\frac{6}{10} - 2\frac{4}{10} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

$$8\frac{3}{8} - 1\frac{5}{8} = \boxed{}$$

$$\boxed{}$$

$$\boxed{}$$

Subtracting Fractions With Like Denominators

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

$$7\frac{5}{8} - 2\frac{7}{8} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$6\frac{8}{10} - 3\frac{3}{10} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$4\frac{5}{7} - 1\frac{6}{7} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$9\frac{5}{6} - 2\frac{3}{6} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$8\frac{2}{8} - 3\frac{5}{8} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$5\frac{4}{10} - 3\frac{2}{10} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$7\frac{5}{7} - 2\frac{6}{7} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$10\frac{4}{10} - 3\frac{6}{10} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$8\frac{6}{8} - 2\frac{2}{8} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$6\frac{1}{4} - 3\frac{3}{4} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$10\frac{5}{6} - 5\frac{3}{6} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

$$4\frac{3}{5} - 2\frac{4}{5} = \boxed{}$$

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 95 \\ \times 2 \\ \hline \end{array}$	B Reduce: $\frac{8}{16} =$	C Rename as mixed: $\frac{42}{5} =$	D $\begin{array}{r} 421 \\ - 17 \\ \hline \end{array}$	E $\begin{array}{r} 524 \\ 656 \\ + 689 \\ \hline \end{array}$
F $\begin{array}{r} 91 \\ \times 1 \\ \hline \end{array}$	G $\frac{1}{5} + \frac{4}{5} =$	H Rename as improper: $9\frac{6}{7} =$	I $5\frac{4}{5} + 8\frac{1}{5} =$	J $\begin{array}{r} 431 \\ - 31 \\ \hline \end{array}$
K $4 \overline{)700}$	L $9\frac{6}{7} - 7 =$	M Reduce: $\frac{9}{12} =$	N $1\frac{2}{3} + 7 =$	O $4 \overline{)200}$
P Rename as mixed: $\frac{53}{6} =$	Q $\frac{6}{7} + \frac{1}{7} =$	R $4\frac{4}{5} + 4\frac{2}{5} =$	S $\begin{array}{r} 662 \\ - 78 \\ \hline \end{array}$	T $\frac{1}{7} + \frac{6}{7} =$
U $\begin{array}{r} 31439 \\ + 86542 \\ \hline \end{array}$	V $5 \overline{)900}$	W $\begin{array}{r} 25 \\ \times 6 \\ \hline \end{array}$	X $\begin{array}{r} 45271 \\ + 31473 \\ \hline \end{array}$	Y $6\frac{4}{5} + 9\frac{4}{5} =$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 430 \\ - 31 \\ \hline \end{array}$	B Reduce: $\frac{12}{28} =$	C $\begin{array}{r} 818 \\ 428 \\ + 683 \\ \hline \end{array}$	D $9\frac{2}{5} + 5\frac{4}{5} =$	E $2 \overline{)400}$
F $1\frac{1}{3} + 3\frac{2}{3} =$	G $\frac{1}{7} + \frac{6}{7} =$	H $2 \overline{)300}$	I $5\frac{4}{7} + 4 =$	J $\frac{4}{7} + \frac{5}{7} =$
K $6\frac{1}{2} - 5 =$	L $\begin{array}{r} 21 \\ \times 6 \\ \hline \end{array}$	M Reduce: $\frac{4}{20} =$	N Rename as mixed: $\frac{16}{6} =$	O $\begin{array}{r} 668 \\ - 94 \\ \hline \end{array}$
P Rename as improper: $5\frac{2}{3} =$	Q Rename as mixed: $\frac{53}{6} =$	R $\begin{array}{r} 97444 \\ + 26917 \\ \hline \end{array}$	S $\begin{array}{r} 16 \\ \times 8 \\ \hline \end{array}$	T $\begin{array}{r} 95241 \\ + 56997 \\ \hline \end{array}$
U $\begin{array}{r} 923 \\ - 63 \\ \hline \end{array}$	V $8\frac{2}{3} + 6\frac{1}{3} =$	W $\frac{4}{7} + \frac{4}{7} =$	X $\begin{array}{r} 86 \\ \times 9 \\ \hline \end{array}$	Y $2 \overline{)300}$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $6\frac{6}{11} - 2\frac{2}{11} =$	B $\begin{array}{r} 72 \\ \times 1 \\ \hline \end{array}$	C Rename as mixed: $\frac{38}{4} =$	D $6\frac{4}{7} - 5\frac{6}{7} =$	E Rename as mixed: $\frac{9}{4} =$
F $\begin{array}{r} 417 \\ - 92 \\ \hline \end{array}$	G $8\frac{4}{11} + 1\frac{8}{11} =$	H $\begin{array}{r} 529 \\ - 27 \\ \hline \end{array}$	I $\begin{array}{r} 74407 \\ + 85136 \\ \hline \end{array}$	J $6\frac{4}{5} + 9 =$
K $4 \overline{)400}$	L Reduce: $\frac{5}{15} =$	M $\frac{4}{5} + \frac{2}{5} =$	N $\begin{array}{r} 95 \\ \times 5 \\ \hline \end{array}$	O $4\frac{5}{11} - 1 =$
P $\begin{array}{r} 528 \\ - 70 \\ \hline \end{array}$	Q Rename as improper: $4\frac{2}{3} =$	R $4 \overline{)300}$	S $6\frac{5}{7} - 2\frac{6}{7} =$	T $2\frac{1}{3} - 1\frac{2}{3} =$
U Reduce: $\frac{5}{10} =$	V $\begin{array}{r} 380 \\ 469 \\ + 312 \\ \hline \end{array}$	W $\begin{array}{r} 13 \\ \times 6 \\ \hline \end{array}$	X $\begin{array}{r} 25624 \\ + 35929 \\ \hline \end{array}$	Y $2 \overline{)100}$

Adding/Subtracting Fractions With Like Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $3\frac{1}{5} + 1\frac{4}{5} =$	B $\begin{array}{r} 98 \\ \times 2 \\ \hline \end{array}$	C Rename as mixed: $\frac{77}{8} =$	D Reduce: $\frac{6}{8} =$	E $1\frac{1}{3} + 4 =$
F $\begin{array}{r} 685 \\ 263 \\ + 154 \\ \hline \end{array}$	G $\begin{array}{r} 829 \\ - 81 \\ \hline \end{array}$	H $6 \overline{)750}$	I $4\frac{1}{5} - 3 =$	J $\begin{array}{r} 74407 \\ + 85136 \\ \hline \end{array}$
K $\begin{array}{r} 49 \\ \times 4 \\ \hline \end{array}$	L $6\frac{4}{11} - 4\frac{6}{11} =$	M $\begin{array}{r} 97813 \\ + 97139 \\ \hline \end{array}$	N $\begin{array}{r} 69 \\ \times 8 \\ \hline \end{array}$	O Rename as mixed: $\frac{34}{6} =$
P $7\frac{1}{5} - 2\frac{4}{5} =$	Q $\begin{array}{r} 826 \\ - 97 \\ \hline \end{array}$	R $\frac{6}{11} + \frac{6}{11} =$	S $\begin{array}{r} 420 \\ - 93 \\ \hline \end{array}$	T $4 \overline{)900}$
U Rename as improper: $9\frac{1}{2} =$	V $4 \overline{)800}$	W $2\frac{9}{11} + 1\frac{10}{11} =$	X Reduce: $\frac{8}{14} =$	Y $2\frac{1}{3} - 1\frac{2}{3} =$

Adding Fractions With Unlike Denominators

Coach's Question Sheet

1. Read the problem aloud.
2. Rewrite the problem, vertically, in the space below the first fraction.
3. Write the lowest common denominator in the denominator boxes below the second fraction. (If you need help, see LCD Hint below.)
4. Write the numerators in the numerator boxes. (Sometimes you'll need a new numerator. If you need help, see New Numerator Hint below.)
5. Add the fractions.
6. Add the whole numbers if there are whole numbers in the problem.
7. Do you need to rename the fraction? If yes, do it. (If you need help, see Renaming Hint below.)
8. Add renamed fraction to the whole number if there is a whole number.
9. Do you need to reduce your fraction to lowest terms? If yes, do it.
10. Write your answer in the circle.

Hint for Finding LCD

Can the larger denominator be evenly divided by the smaller denominator?

If YES, the larger denominator is the LCD.
If NO, make a list of the multiples of each denominator. The first number that both lists have in common is the LCD.

EXAMPLE: $\frac{4}{6} + \frac{2}{5}$

Multiples of 6 = 6, 12, 18, 24, 30, 36

Multiples of 5 = 5, 10, 15, 20, 25, 30

LCD = 30

Hint for Finding New Numerator

Is the denominator in the box different from the old denominator?

If NO, write the old numerator in the numerator box.

If YES, divide the new denominator by the old denominator. Multiply that answer by the old numerator. This is your new numerator. Write it in the numerator box.

EXAMPLE: $\frac{3}{10} + \frac{2}{5}$

$\frac{3}{10}$	+	$\frac{2}{5}$	
$\frac{3}{10}$		3	←
		10	
+		2	←
		5	
		4	
		10	

Hint for Renaming When Adding

Is the numerator of the fraction less than, equal to, or greater than the denominator?

If LESS THAN, you do not need to rename the fraction.

If EQUAL TO, the fraction equals 1.

EXAMPLE: $\frac{3}{3} = 1$

If GREATER THAN, divide the numerator by the denominator. The quotient becomes a whole number, the remainder becomes the numerator, and the divisor remains the denominator. This number is your renamed fraction.

EXAMPLE: $\frac{9}{7}$

Divisor	Quotient	Remainder	
↓	↓	↓	
$\frac{9}{7}$	1	2	
	7	9	
	7	2	

$\frac{9}{7} = 1\frac{2}{7}$

Subtracting Fractions With Unlike Denominators

Coach's Question Sheet

1. Read the problem aloud.
2. Rewrite the problem, vertically, in the space below the first fraction.
3. Write the lowest common denominator in the denominator boxes below the second fraction. (If you need help, see LCD Hint below.)
4. Write the numerators in the numerator boxes. (Sometimes you'll need a new numerator. If you need help, see New Numerator Hint below.)
5. Do you need to rename the top fraction?
 If YES, do it and rewrite the problem in the boxes. (If you need help, see Renaming Hint below.)
 If NO, cross out the boxes.
6. Subtract the fractions.
7. Subtract the whole numbers if there are whole numbers in the problem.
8. Do you need to reduce your fraction to lowest terms? If yes, do it.
9. Write your answer in the circle.

Hint for Finding LCD

Can the larger denominator be evenly divided by the smaller denominator?

If YES, the larger denominator is the LCD.
 If NO, make a list of the multiples of each denominator. The first number that both lists have in common is the LCD.

EXAMPLE:

$$\frac{4}{6} + \frac{2}{5}$$

Multiples of 6 = 6, 12, 18, 24, 30, 36

Multiples of 5 = 5, 10, 15, 20, 25, 30

LCD = 30

Hint for Finding New Numerator

Is the denominator in the box different from the old denominator?

If NO, write the old numerator in the numerator box.

If YES, divide the new denominator by the old denominator. Multiply that answer by the old numerator. This is your new numerator. Write it in the numerator box.

EXAMPLE:

$$\begin{array}{r} \frac{3}{10} + \frac{2}{5} \\ \frac{3}{10} + \frac{\boxed{3}}{\boxed{10}} \\ \hline \frac{3}{10} + \frac{\boxed{4}}{\boxed{10}} \\ \hline \end{array}$$

Hint for Renaming When Subtracting

Is the numerator of the fraction greater than or less than the numerator of the bottom fraction?

If GREATER THAN, you do not need to rename the fraction.

If LESS THAN, you do need to rename the fraction. Change the whole number into a mixed number by trading 1 whole unit for a fraction.

EXAMPLE: $3 = 2 \frac{4}{4}$

Add the fractions. Add the whole number. This number is your renamed fraction.

$$\begin{array}{r} \text{EXAMPLE: } 3 \frac{1}{4} - 1 \frac{3}{4} \\ 3 \frac{1}{4} = 2 \frac{4}{4} + \frac{1}{4} = 2 \frac{5}{4} \\ \hline \end{array}$$

Adding Fractions With Unlike Denominators

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{4}{5} + \frac{7}{10} = \boxed{1 \frac{1}{2}}$$

$$\begin{array}{r} \frac{4}{5} \quad \boxed{\frac{8}{10}} \\ + \frac{7}{10} \quad \boxed{\frac{7}{10}} \\ \hline \frac{15}{10} = 1 \frac{5}{10} = 1 \frac{1}{2} \end{array}$$

$$4 \frac{2}{3} + 2 \frac{3}{5} = \boxed{7 \frac{4}{15}}$$

$$\begin{array}{r} 4 \frac{2}{3} \quad \boxed{\frac{10}{15}} \\ + 2 \frac{3}{5} \quad \boxed{\frac{9}{15}} \\ \hline 6 \frac{19}{15} = 6 + 1 \frac{4}{15} = 7 \frac{4}{15} \end{array}$$

$$5 \frac{1}{4} + 1 \frac{5}{8} = \boxed{6 \frac{7}{8}}$$

$$\begin{array}{r} 5 \frac{1}{4} \quad \boxed{\frac{2}{8}} \\ + 1 \frac{5}{8} \quad \boxed{\frac{5}{8}} \\ \hline 6 \frac{7}{8} = 6 \frac{7}{8} \end{array}$$

$$\frac{3}{6} + \frac{6}{18} = \boxed{\frac{5}{6}}$$

$$\begin{array}{r} \frac{3}{6} \quad \boxed{\frac{9}{18}} \\ + \frac{6}{18} \quad \boxed{\frac{6}{18}} \\ \hline \frac{15}{18} = \frac{5}{6} \end{array}$$

$$6 \frac{3}{4} + 4 \frac{2}{3} = \boxed{11 \frac{5}{12}}$$

$$\begin{array}{r} 6 \frac{3}{4} \quad \boxed{\frac{9}{12}} \\ + 4 \frac{2}{3} \quad \boxed{\frac{8}{12}} \\ \hline 10 \frac{17}{12} = 10 + 1 \frac{5}{12} = 11 \frac{5}{12} \end{array}$$

$$\frac{4}{10} + \frac{2}{5} = \boxed{\frac{4}{5}}$$

$$\begin{array}{r} \frac{4}{10} \quad \boxed{\frac{4}{10}} \\ + \frac{2}{5} \quad \boxed{\frac{4}{10}} \\ \hline \frac{8}{10} = \frac{4}{5} \end{array}$$

$$9 \frac{2}{4} + 2 \frac{5}{6} = \boxed{12 \frac{1}{3}}$$

$$\begin{array}{r} 9 \frac{2}{4} \quad \boxed{\frac{6}{12}} \\ + 2 \frac{5}{6} \quad \boxed{\frac{10}{12}} \\ \hline 11 \frac{16}{12} = 11 + 1 \frac{4}{12} = 12 \frac{4}{12} \\ = 12 \frac{1}{3} \end{array}$$

$$\frac{7}{12} + \frac{5}{6} = \boxed{1 \frac{5}{12}}$$

$$\begin{array}{r} \frac{7}{12} \quad \boxed{\frac{7}{12}} \\ + \frac{5}{6} \quad \boxed{\frac{10}{12}} \\ \hline \frac{17}{12} = 1 \frac{5}{12} \end{array}$$

$$8 \frac{3}{7} + 3 \frac{1}{2} = \boxed{11 \frac{13}{14}}$$

$$\begin{array}{r} 8 \frac{3}{7} \quad \boxed{\frac{6}{14}} \\ + 3 \frac{1}{2} \quad \boxed{\frac{7}{14}} \\ \hline 11 \frac{13}{14} = 11 \frac{13}{14} \end{array}$$

$$\frac{3}{8} + \frac{3}{12} = \boxed{\frac{5}{8}}$$

$$\begin{array}{r} \frac{3}{8} \quad \boxed{\frac{9}{24}} \\ + \frac{3}{12} \quad \boxed{\frac{6}{24}} \\ \hline \frac{15}{24} = \frac{5}{8} \end{array}$$

$$3 \frac{1}{3} + 5 \frac{3}{9} = \boxed{8 \frac{2}{3}}$$

$$\begin{array}{r} 3 \frac{1}{3} \quad \boxed{\frac{3}{9}} \\ + 5 \frac{3}{9} \quad \boxed{\frac{3}{9}} \\ \hline 8 \frac{6}{9} = 8 \frac{2}{3} \end{array}$$

$$2 \frac{2}{5} + 6 \frac{3}{4} = \boxed{9 \frac{3}{20}}$$

$$\begin{array}{r} 2 \frac{2}{5} \quad \boxed{\frac{8}{20}} \\ + 6 \frac{3}{4} \quad \boxed{\frac{15}{20}} \\ \hline 8 \frac{23}{20} = 8 + 1 \frac{3}{20} \\ = 9 \frac{3}{20} \end{array}$$

Adding Fractions With Unlike Denominators

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{9}{10} + \frac{2}{5} = \boxed{1\frac{3}{10}}$$

$$\begin{array}{r} \frac{9}{10} \\ + \frac{2}{5} \end{array} \quad \boxed{\frac{4}{10}}$$

$$\frac{13}{10} = 1\frac{3}{10}$$

$$5\frac{4}{5} + 2\frac{2}{4} = \boxed{8\frac{3}{10}}$$

$$\begin{array}{r} 5\frac{4}{5} \\ + 2\frac{2}{4} \end{array} \quad \boxed{\frac{16}{20}}$$

$$7\frac{26}{20} = 7 + 1\frac{6}{20} = 8\frac{6}{20}$$

$$= 8\frac{3}{10}$$

$$3\frac{2}{3} + 4\frac{5}{9} = \boxed{8\frac{2}{9}}$$

$$\begin{array}{r} 3\frac{2}{3} \\ + 4\frac{5}{9} \end{array} \quad \boxed{\frac{6}{9}}$$

$$7\frac{11}{9} = 7 + 1\frac{2}{9}$$

$$= 8\frac{2}{9}$$

$$6\frac{4}{6} + 3\frac{3}{4} = \boxed{10\frac{5}{12}}$$

$$\begin{array}{r} 6\frac{4}{6} \\ + 3\frac{3}{4} \end{array} \quad \boxed{\frac{8}{12}}$$

$$9\frac{17}{12} = 9 + 1\frac{5}{12}$$

$$= 10\frac{5}{12}$$

$$\frac{4}{7} + \frac{1}{3} = \boxed{\frac{19}{21}}$$

$$\begin{array}{r} \frac{4}{7} \\ + \frac{1}{3} \end{array} \quad \boxed{\frac{7}{21}}$$

$$\frac{19}{21}$$

$$4\frac{4}{5} + 2\frac{2}{3} = \boxed{7\frac{7}{15}}$$

$$\begin{array}{r} 4\frac{4}{5} \\ + 2\frac{2}{3} \end{array} \quad \boxed{\frac{12}{15}}$$

$$6\frac{22}{15} = 6 + 1\frac{7}{15}$$

$$= 7\frac{7}{15}$$

$$7\frac{5}{6} + 3\frac{1}{2} = \boxed{11\frac{1}{3}}$$

$$\begin{array}{r} 7\frac{5}{6} \\ + 3\frac{1}{2} \end{array} \quad \boxed{\frac{5}{6}}$$

$$10\frac{8}{6} = 10 + 1\frac{2}{6} = 11\frac{2}{6}$$

$$= 11\frac{1}{3}$$

$$\frac{6}{15} + \frac{2}{5} = \boxed{\frac{4}{5}}$$

$$\begin{array}{r} \frac{6}{15} \\ + \frac{2}{5} \end{array} \quad \boxed{\frac{6}{15}}$$

$$\frac{12}{15} = \frac{4}{5}$$

$$8\frac{3}{4} + 4\frac{2}{3} = \boxed{13\frac{5}{12}}$$

$$\begin{array}{r} 8\frac{3}{4} \\ + 4\frac{2}{3} \end{array} \quad \boxed{\frac{9}{12}}$$

$$12\frac{17}{12} = 12 + 1\frac{5}{12}$$

$$= 13\frac{5}{12}$$

$$\frac{4}{8} + \frac{1}{4} = \boxed{\frac{3}{4}}$$

$$\begin{array}{r} \frac{4}{8} \\ + \frac{1}{4} \end{array} \quad \boxed{\frac{2}{8}}$$

$$\frac{6}{8} = \frac{3}{4}$$

$$4\frac{8}{9} + 2\frac{2}{3} = \boxed{7\frac{5}{9}}$$

$$\begin{array}{r} 4\frac{8}{9} \\ + 2\frac{2}{3} \end{array} \quad \boxed{\frac{8}{9}}$$

$$6\frac{14}{9} = 6 + 1\frac{5}{9}$$

$$= 7\frac{5}{9}$$

$$\frac{2}{3} + \frac{2}{10} = \boxed{\frac{13}{15}}$$

$$\begin{array}{r} \frac{2}{3} \\ + \frac{2}{10} \end{array} \quad \boxed{\frac{20}{30}}$$

$$\frac{26}{30} = \frac{13}{15}$$

Subtracting Fractions With Unlike Denominators

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$6\frac{4}{6} - 1\frac{5}{12} = \boxed{5\frac{1}{4}}$ $\begin{array}{r} 6\frac{4}{6} \quad \boxed{\frac{8}{12}} \\ - 1\frac{5}{12} \quad \boxed{\frac{5}{12}} \\ \hline 5\frac{3}{12} \end{array} = 5\frac{1}{4}$	$4\frac{3}{8} - 2\frac{3}{4} = \boxed{1\frac{5}{8}}$ $\begin{array}{r} 4\frac{3}{8} \quad \boxed{\frac{3}{8}} \quad 3\frac{8}{8} + \frac{3}{8} = 3\frac{11}{8} \\ - 2\frac{3}{4} \quad \boxed{\frac{6}{8}} \quad - 2\frac{6}{8} \\ \hline 1\frac{5}{8} \end{array}$	$\frac{4}{5} - \frac{2}{3} = \boxed{\frac{2}{15}}$ $\begin{array}{r} \frac{4}{5} \quad \boxed{\frac{12}{15}} \\ - \frac{2}{3} \quad \boxed{\frac{10}{15}} \\ \hline \frac{2}{15} \end{array}$
$\frac{5}{9} - \frac{1}{2} = \boxed{\frac{1}{18}}$ $\begin{array}{r} \frac{5}{9} \quad \boxed{\frac{10}{18}} \\ - \frac{1}{2} \quad \boxed{\frac{9}{18}} \\ \hline \frac{1}{18} \end{array}$	$7\frac{5}{14} - 1\frac{6}{7} = \boxed{5\frac{1}{2}}$ $\begin{array}{r} 7\frac{5}{14} \quad \boxed{\frac{5}{14}} \quad 6\frac{14}{14} + \frac{5}{14} = 6\frac{19}{14} \\ - 1\frac{6}{7} \quad \boxed{\frac{12}{14}} \quad - 1\frac{12}{14} \\ \hline 5\frac{7}{14} \\ = 5\frac{1}{2} \end{array}$	$\frac{2}{3} - \frac{2}{4} = \boxed{\frac{1}{6}}$ $\begin{array}{r} \frac{2}{3} \quad \boxed{\frac{8}{12}} \\ - \frac{2}{4} \quad \boxed{\frac{6}{12}} \\ \hline \frac{2}{12} = \frac{1}{6} \end{array}$
$5\frac{3}{8} - 2\frac{1}{2} = \boxed{2\frac{7}{8}}$ $\begin{array}{r} 5\frac{3}{8} \quad \boxed{\frac{3}{8}} \quad 4\frac{8}{8} + \frac{3}{8} = 4\frac{11}{8} \\ - \frac{1}{2} \quad \boxed{\frac{4}{8}} \quad - 2\frac{4}{8} \\ \hline 2\frac{7}{8} \end{array}$	$\frac{6}{10} - \frac{2}{5} = \boxed{\frac{1}{5}}$ $\begin{array}{r} \frac{6}{10} \quad \boxed{\frac{6}{10}} \\ - \frac{2}{5} \quad \boxed{\frac{4}{10}} \\ \hline \frac{2}{10} = \frac{1}{5} \end{array}$	$7\frac{3}{6} - 3\frac{3}{4} = \boxed{3\frac{3}{4}}$ $\begin{array}{r} 7\frac{3}{6} \quad \boxed{\frac{6}{12}} \quad 6\frac{12}{12} + \frac{6}{12} = 6\frac{18}{12} \\ - 3\frac{3}{4} \quad \boxed{\frac{9}{12}} \quad - 3\frac{9}{12} \\ \hline 3\frac{9}{12} \\ = 3\frac{3}{4} \end{array}$
$\frac{7}{9} - \frac{2}{3} = \boxed{\frac{1}{9}}$ $\begin{array}{r} \frac{7}{9} \quad \boxed{\frac{7}{9}} \\ - \frac{2}{3} \quad \boxed{\frac{6}{9}} \\ \hline \frac{1}{9} \end{array}$	$\frac{5}{6} - \frac{2}{5} = \boxed{\frac{13}{30}}$ $\begin{array}{r} \frac{5}{6} \quad \boxed{\frac{25}{30}} \\ - \frac{2}{5} \quad \boxed{\frac{12}{30}} \\ \hline \frac{13}{30} \end{array}$	$8\frac{1}{2} - 1\frac{4}{7} = \boxed{6\frac{13}{14}}$ $\begin{array}{r} 8\frac{1}{2} \quad \boxed{\frac{7}{14}} \quad 7\frac{14}{14} + \frac{7}{14} = 7\frac{21}{14} \\ - 1\frac{4}{7} \quad \boxed{\frac{8}{14}} \quad - 1\frac{8}{14} \\ \hline 6\frac{13}{14} \end{array}$

Subtracting Fractions With Unlike Denominators

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$7\frac{3}{4} - 2\frac{7}{8} = \boxed{4\frac{7}{8}}$ $7\frac{3}{4} \quad \boxed{\frac{6}{8}} \quad 6\frac{8}{8} + \frac{6}{8} = \boxed{6\frac{14}{8}}$ $- 2\frac{7}{8} \quad \boxed{\frac{7}{8}} \quad - \boxed{2\frac{7}{8}}$ $\hline 4\frac{7}{8}$	$\frac{8}{10} - \frac{3}{5} = \boxed{\frac{1}{5}}$ $\frac{8}{10} \quad \boxed{\frac{8}{10}}$ $- \frac{3}{5} \quad \boxed{\frac{6}{10}} \quad - \boxed{}$ $\hline \frac{2}{10} = \frac{1}{5}$	$4\frac{1}{2} - 1\frac{6}{7} = \boxed{2\frac{9}{14}}$ $4\frac{1}{2} \quad \boxed{\frac{7}{14}} \quad 3\frac{14}{14} + \frac{7}{14} = \boxed{3\frac{21}{14}}$ $- 1\frac{6}{7} \quad \boxed{\frac{12}{14}} \quad - \boxed{1\frac{12}{14}}$ $\hline 2\frac{9}{14}$
$\frac{5}{6} - \frac{2}{4} = \boxed{\frac{1}{3}}$ $\frac{5}{6} \quad \boxed{\frac{10}{12}}$ $- \frac{2}{4} \quad \boxed{\frac{6}{12}} \quad - \boxed{}$ $\hline \frac{4}{12} = \frac{1}{3}$	$6\frac{1}{4} - 3\frac{7}{12} = \boxed{2\frac{2}{3}}$ $6\frac{1}{4} \quad \boxed{\frac{3}{12}} \quad 5\frac{12}{12} + \frac{3}{12} = \boxed{5\frac{15}{12}}$ $- 3\frac{7}{12} \quad \boxed{\frac{7}{12}} \quad - \boxed{3\frac{7}{12}}$ $\hline 2\frac{8}{12} = 2\frac{2}{3}$	$5\frac{5}{6} - 3\frac{2}{12} = \boxed{2\frac{2}{3}}$ $5\frac{5}{6} \quad \boxed{\frac{10}{12}}$ $- 3\frac{2}{12} \quad \boxed{\frac{2}{12}} \quad - \boxed{}$ $\hline 2\frac{8}{12} = 2\frac{2}{3}$
$\frac{6}{7} - \frac{4}{14} = \boxed{\frac{4}{7}}$ $\frac{6}{7} \quad \boxed{\frac{12}{14}}$ $- \frac{4}{14} \quad \boxed{\frac{4}{14}} \quad - \boxed{}$ $\hline \frac{8}{14} = \frac{4}{7}$	$10\frac{4}{10} - 3\frac{1}{2} = \boxed{6\frac{9}{10}}$ $10\frac{4}{10} \quad \boxed{\frac{4}{10}} \quad 9\frac{10}{10} + \frac{4}{10} = \boxed{9\frac{14}{10}}$ $- 3\frac{1}{2} \quad \boxed{\frac{5}{10}} \quad - \boxed{3\frac{5}{10}}$ $\hline 6\frac{9}{10}$	$\frac{11}{12} - \frac{3}{8} = \boxed{\frac{13}{24}}$ $\frac{11}{12} \quad \boxed{\frac{22}{24}}$ $- \frac{3}{8} \quad \boxed{\frac{9}{24}} \quad - \boxed{}$ $\hline \frac{13}{24}$
$\frac{4}{5} - \frac{1}{3} = \boxed{\frac{7}{15}}$ $\frac{4}{5} \quad \boxed{\frac{12}{15}}$ $- \frac{1}{3} \quad \boxed{\frac{5}{15}} \quad - \boxed{}$ $\hline \frac{7}{15}$	$10\frac{2}{3} - 5\frac{3}{4} = \boxed{4\frac{11}{12}}$ $10\frac{2}{3} \quad \boxed{\frac{8}{12}} \quad 9\frac{12}{12} + \frac{8}{12} = \boxed{9\frac{20}{12}}$ $- 5\frac{3}{4} \quad \boxed{\frac{9}{12}} \quad - \boxed{5\frac{9}{12}}$ $\hline 4\frac{11}{12}$	$4\frac{3}{5} - 2\frac{1}{10} = \boxed{2\frac{1}{2}}$ $4\frac{3}{5} \quad \boxed{\frac{6}{10}}$ $- 2\frac{1}{10} \quad \boxed{\frac{1}{10}} \quad - \boxed{}$ $\hline \frac{5}{10} = 2\frac{1}{2}$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $1\frac{1}{2} + 6\frac{5}{8} =$	B Reduce: $\frac{8}{16} =$	C Rename as improper: $4\frac{3}{5} =$	D $\begin{array}{r} 3561 \\ 8853 \\ + \quad 7 \\ \hline \end{array}$	E $6\frac{3}{5} + 2\frac{8}{15} =$
F $7\frac{2}{5} + 1\frac{3}{5} =$	G Rename as mixed: $\frac{48}{5} =$	H $\begin{array}{r} 99 \\ \times 6 \\ \hline \end{array}$	I $7\frac{1}{2} + 1\frac{4}{5} =$	J $\begin{array}{r} 99 \\ - 6 \\ \hline \end{array}$
K $\begin{array}{r} 21786 \\ - 6019 \\ \hline \end{array}$	L $4\frac{3}{5} + 2\frac{1}{2} =$	M $\begin{array}{r} 812 \\ \times 4 \\ \hline \end{array}$	N Rename as improper: $2\frac{4}{5} =$	O $89 \overline{)90}$
P $79 \overline{)80}$	Q $9 \overline{)90}$	R Reduce: $\frac{4}{16} =$	S $4\frac{4}{9} + 3\frac{25}{36} =$	T $5\frac{1}{2} + 2\frac{4}{7} =$
U $\begin{array}{r} 143 \\ \times 6 \\ \hline \end{array}$	V Rename as mixed: $\frac{30}{5} =$	W $\begin{array}{r} 21060 \\ + 25897 \\ \hline \end{array}$	X $\frac{1}{7} + \frac{6}{7} =$	Y $\begin{array}{r} 21 \\ \times 5 \\ \hline \end{array}$

Adding/ Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A Reduce: $\frac{2}{4} =$	B $5 \overline{)21}$	C $5\frac{3}{7} + 7\frac{4}{7} =$	D $\begin{array}{r} 3431 \\ 4890 \\ + \quad 21 \\ \hline \end{array}$	E Rename as mixed: $\frac{36}{7} =$
F $21 \overline{)3431}$	G Rename as improper: $1\frac{5}{7} =$	H $3\frac{1}{4} + 1\frac{7}{8} =$	I $\begin{array}{r} 33978 \\ - 29758 \\ \hline \end{array}$	J $1\frac{1}{3} + 6\frac{5}{6} =$
K $20 \overline{)55}$	L $\begin{array}{r} 65 \\ \times \quad 2 \\ \hline \end{array}$	M $5\frac{3}{5} + 2\frac{11}{15} =$	N $\begin{array}{r} 65 \\ - \quad 2 \\ \hline \end{array}$	O $\begin{array}{r} 162 \\ \times \quad 4 \\ \hline \end{array}$
P $\begin{array}{r} 646 \\ \times \quad 1 \\ \hline \end{array}$	Q $4\frac{2}{3} + 4\frac{3}{5} =$	R Rename as mixed: $\frac{74}{9} =$	S $\frac{6}{7} + \frac{6}{7} =$	T $5\frac{2}{3} + 1\frac{3}{5} =$
U $\begin{array}{r} 23 \\ \times \quad 9 \\ \hline \end{array}$	V $\begin{array}{r} 90870 \\ + 11363 \\ \hline \end{array}$	W $2\frac{4}{7} + 1\frac{1}{2} =$	X Rename as improper: $4\frac{1}{2} =$	Y Reduce: $\frac{8}{14} =$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 0 \overline{)0} \end{array}$	B $\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$	C $\begin{array}{r} 593 \\ \times 4 \\ \hline \end{array}$	D $2\frac{3}{5} - 1\frac{4}{5} =$	E $5\frac{1}{2} - 2\frac{4}{7} =$
F $\begin{array}{r} 593 \\ - 4 \\ \hline \end{array}$	G $3\frac{1}{2} - 2\frac{4}{7} =$	H $\begin{array}{r} 44 \\ \times 3 \\ \hline \end{array}$	I Reduce: $\frac{8}{24} =$	J Rename as improper: $7\frac{5}{7} =$
K $7\frac{6}{7} - 1\frac{2}{3} =$	L Rename as mixed: $\frac{31}{7} =$	M $\begin{array}{r} 7131 \\ 7215 \\ + 20 \\ \hline \end{array}$	N $\begin{array}{r} 97678 \\ - 87223 \\ \hline \end{array}$	O Reduce: $\frac{3}{9} =$
P Rename as improper: $9\frac{2}{5} =$	Q $3 \overline{)976}$	R $9\frac{23}{36} - 2\frac{8}{9} =$	S $\begin{array}{r} 29522 \\ + 28731 \\ \hline \end{array}$	T $6 - 1\frac{1}{2} =$
U $\frac{5}{7} - \frac{1}{7} =$	V $5\frac{2}{3} + 1\frac{5}{6} =$	W $\begin{array}{r} 756 \\ \times 8 \\ \hline \end{array}$	X Rename as mixed: $\frac{6}{5} =$	Y $60 \overline{)70}$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A Reduce: $\frac{16}{18} =$	B $60 \overline{)70}$	C $\begin{array}{r} 57093 \\ + 79855 \\ \hline \end{array}$	D Rename as improper: $1\frac{4}{7} =$	E $\begin{array}{r} 29995 \\ - 25093 \\ \hline \end{array}$
F $\begin{array}{r} 29495 \\ - 15293 \\ \hline \end{array}$	G Rename as mixed: $\frac{36}{5} =$	H $2\frac{1}{7} - 1\frac{3}{7} =$	I $8\frac{1}{2} - 5\frac{3}{5} =$	J $1\frac{4}{5} + 7\frac{1}{2} =$
K $3 \overline{)299}$	L Rename as mixed: $\frac{47}{5} =$	M $\frac{2}{3} - \frac{1}{3} =$	N $\begin{array}{r} 654 \\ \times 6 \\ \hline \end{array}$	O $5\frac{7}{32} - 1\frac{7}{8} =$
P $\begin{array}{r} 64 \\ \times 1 \\ \hline \end{array}$	Q $\begin{array}{r} 11 \\ \times 8 \\ \hline \end{array}$	R $5\frac{4}{25} - 1\frac{4}{5} =$	S $35 \overline{)66}$	T $\begin{array}{r} 8831 \\ 7514 \\ + 2 \\ \hline \end{array}$
U $7 - 1\frac{3}{5} =$	V Rename as improper: $2\frac{1}{2} =$	W $\begin{array}{r} 476 \\ \times 7 \\ \hline \end{array}$	X Reduce: $\frac{10}{18} =$	Y $3\frac{1}{2} + 4\frac{7}{8} =$

Adding/Subtracting Fractions With Unlike Denominators

Practice Answer Sheet

Day 1

A 8 1/8	B 1/2	C 23/5	D 12,421	E 9 2/15
F 9	G 9 3/5	H 594	I 9 3/10	J 93
K 15,767	L 7 1/10	M 3,248	N 14/5	O 1 R1
P 1 R1	Q 10	R 1/4	S 8 5/36	T 8 1/14
U 858	V 6	W 46,957	X 1	Y 105

Day 2

A 1/2	B 4 R1	C 13	D 8,342	E 5 1/7
F 163 R8	G 12/7	H 5 1/8	I 4,220	J 8 1/6
K 2 R15	L 130	M 8 1/3	N 63	O 648
P 646	Q 9 4/15	R 8 2/9	S 1 5/7	T 7 4/15
U 207	V 102,233	W 4 1/14	X 9/2	Y 4/7

Day 3

A 0	B 24	C 2372	D 4/5	E 2 13/14
F 589	G 13/14	H 132	I 1/3	J 54/7
K 6 4/21	L 4 3/7	M 14,366	N 10,455	O 1/3
P 47/5	Q 325 R1	R 6 3/4	S 58,253	T 4 1/2
U 4/7	V 7 1/2	W 6,048	X 1 1/5	Y 1 R10

Day 4

A 8/9	B 1 R10	C 136,948	D 11/7	E 4,902
F 14,202	G 7 1/5	H 5/7	I 2 9/10	J 9 3/10
K 99 R2	L 9 2/5	M 1/3	N 3,924	O 3 11/32
P 64	Q 88	R 3 9/25	S 1 R31	T 16347
U 5 2/5	V 5/2	W 3,332	X 5/9	Y 8 3/8

Adding Fractions With Unlike Denominators

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{4}{5} + \frac{7}{10} = \boxed{}$$

+

$$4\frac{2}{3} + 2\frac{3}{5} = \boxed{}$$

+

$$5\frac{1}{4} + 1\frac{5}{8} = \boxed{}$$

+

$$\frac{3}{6} + \frac{6}{18} = \boxed{}$$

+

$$6\frac{3}{4} + 4\frac{2}{3} = \boxed{}$$

+

$$\frac{4}{10} + \frac{2}{5} = \boxed{}$$

+

$$9\frac{2}{4} + 2\frac{5}{6} = \boxed{}$$

+

$$\frac{7}{12} + \frac{5}{6} = \boxed{}$$

+

$$8\frac{3}{7} + 3\frac{1}{2} = \boxed{}$$

+

$$\frac{3}{8} + \frac{3}{12} = \boxed{}$$

+

$$3\frac{1}{3} + 5\frac{3}{9} = \boxed{}$$

+

$$2\frac{2}{5} + 6\frac{3}{4} = \boxed{}$$

+

Adding Fractions With Unlike Denominators

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{9}{10} + \frac{2}{5} = \boxed{}$$

$$5 \frac{4}{5} + 2 \frac{2}{4} =$$

+

$$3 \frac{2}{3} + 4 \frac{5}{9} = \boxed{}$$

$$6\frac{4}{6} + 3\frac{3}{4} = \square$$

$$\frac{4}{7} + \frac{1}{3} = \boxed{}$$

+

$$4 \frac{4}{5} + 2 \frac{2}{3} = \square$$

$$7\frac{5}{6} + 3\frac{1}{2} = \boxed{}$$

$$\frac{6}{15} + \frac{2}{5} = \boxed{}$$

$$8 \frac{3}{4} + 4 \frac{2}{3} = \square$$

$$\frac{4}{8} + \frac{1}{4} = \boxed{}$$

 $\underline{\hspace{2cm}}$

 $\underline{\hspace{2cm}}$

+ $\begin{array}{|c|} \hline \\ \hline \\ \hline \\ \hline \\ \hline \end{array}$

$$4\frac{8}{9} + 2\frac{2}{3} = \boxed{}$$

$$\frac{2}{3} + \frac{2}{10} = \square$$

+

Subtracting Fractions With Unlike Denominators

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$6\frac{4}{6} - 1\frac{5}{12} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$4\frac{3}{8} - 2\frac{3}{4} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$\frac{4}{5} - \frac{2}{3} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$\frac{5}{9} - \frac{1}{2} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$7\frac{5}{14} - 1\frac{6}{7} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$\frac{2}{3} - \frac{2}{4} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$5\frac{3}{8} - 2\frac{1}{2} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$\frac{6}{10} - \frac{2}{5} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$7\frac{3}{6} - 3\frac{3}{4} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$\frac{7}{9} - \frac{2}{3} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$\frac{5}{6} - \frac{2}{5} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

$$8\frac{1}{2} - 1\frac{4}{7} = \boxed{}$$

 -

□
□
□
□

 -

□
□
□
□

Subtracting Fractions With Unlike Denominators

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$7\frac{3}{4} - 2\frac{7}{8} = \boxed{}$$

$$\frac{8}{10} - \frac{3}{5} = \boxed{}$$

$$4\frac{1}{2} - 1\frac{6}{7} = \boxed{}$$

$$\frac{5}{6} - \frac{2}{4} = \boxed{}$$

$$6\frac{1}{4} - 3\frac{7}{12} = \boxed{}$$

$$5\frac{5}{6} - 3\frac{2}{12} = \boxed{}$$

$$\frac{6}{7} - \frac{4}{14} = \boxed{}$$

$$10\frac{4}{10} - 3\frac{1}{2} = \boxed{}$$

$$\frac{11}{12} - \frac{3}{8} = \boxed{}$$

$$\frac{4}{5} - \frac{1}{3} = \boxed{}$$

$$10\frac{2}{3} - 5\frac{3}{4} = \boxed{}$$

$$4\frac{3}{5} - 2\frac{1}{10} = \boxed{}$$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $1\frac{1}{2} + 6\frac{5}{8} =$	B Reduce: $\frac{8}{16} =$	C Rename as improper: $4\frac{3}{5} =$	D $\begin{array}{r} 3561 \\ 8853 \\ + \quad 7 \\ \hline \end{array}$	E $6\frac{3}{5} + 2\frac{8}{15} =$
F $7\frac{2}{5} + 1\frac{3}{5} =$	G Rename as mixed: $\frac{48}{5} =$	H $\begin{array}{r} 99 \\ \times 6 \\ \hline \end{array}$	I $7\frac{1}{2} + 1\frac{4}{5} =$	J $\begin{array}{r} 99 \\ - 6 \\ \hline \end{array}$
K $\begin{array}{r} 21786 \\ - 6019 \\ \hline \end{array}$	L $4\frac{3}{5} + 2\frac{1}{2} =$	M $\begin{array}{r} 812 \\ \times 4 \\ \hline \end{array}$	N Rename as improper: $2\frac{4}{5} =$	O $89 \overline{)90}$
P $79 \overline{)80}$	Q $9 \overline{)90}$	R Reduce: $\frac{4}{16} =$	S $4\frac{4}{9} + 3\frac{25}{36} =$	T $5\frac{1}{2} + 2\frac{4}{7} =$
U $\begin{array}{r} 143 \\ \times 6 \\ \hline \end{array}$	V Rename as mixed: $\frac{30}{5} =$	W $\begin{array}{r} 21060 \\ + 25897 \\ \hline \end{array}$	X $\frac{1}{7} + \frac{6}{7} =$	Y $\begin{array}{r} 21 \\ \times 5 \\ \hline \end{array}$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A Reduce: $\frac{2}{4} =$	B $5 \overline{)21}$	C $5\frac{3}{7} + 7\frac{4}{7} =$	D $\begin{array}{r} 3431 \\ 4890 \\ + \quad 21 \\ \hline \end{array}$	E Rename as mixed: $\frac{36}{7} =$
F $21 \overline{)3431}$	G Rename as improper: $1\frac{5}{7} =$	H $3\frac{1}{4} + 1\frac{7}{8} =$	I $\begin{array}{r} 33978 \\ - 29758 \\ \hline \end{array}$	J $1\frac{1}{3} + 6\frac{5}{6} =$
K $20 \overline{)55}$	L $\begin{array}{r} 65 \\ \times \quad 2 \\ \hline \end{array}$	M $5\frac{3}{5} + 2\frac{11}{15} =$	N $\begin{array}{r} 65 \\ - \quad 2 \\ \hline \end{array}$	O $\begin{array}{r} 162 \\ \times \quad 4 \\ \hline \end{array}$
P $\begin{array}{r} 646 \\ \times \quad 1 \\ \hline \end{array}$	Q $4\frac{2}{3} + 4\frac{3}{5} =$	R Rename as mixed: $\frac{74}{9} =$	S $\frac{6}{7} + \frac{6}{7} =$	T $5\frac{2}{3} + 1\frac{3}{5} =$
U $\begin{array}{r} 23 \\ \times \quad 9 \\ \hline \end{array}$	V $\begin{array}{r} 90870 \\ + 11363 \\ \hline \end{array}$	W $2\frac{4}{7} + 1\frac{1}{2} =$	X Rename as improper: $4\frac{1}{2} =$	Y Reduce: $\frac{8}{14} =$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 0 \overline{)0} \end{array}$	B $\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$	C $\begin{array}{r} 593 \\ \times 4 \\ \hline \end{array}$	D $2\frac{3}{5} - 1\frac{4}{5} =$	E $5\frac{1}{2} - 2\frac{4}{7} =$
F $\begin{array}{r} 593 \\ - 4 \\ \hline \end{array}$	G $3\frac{1}{2} - 2\frac{4}{7} =$	H $\begin{array}{r} 44 \\ \times 3 \\ \hline \end{array}$	I Reduce: $\frac{8}{24} =$	J Rename as improper: $7\frac{5}{7} =$
K $7\frac{6}{7} - 1\frac{2}{3} =$	L Rename as mixed: $\frac{31}{7} =$	M $\begin{array}{r} 7131 \\ 7215 \\ + 20 \\ \hline \end{array}$	N $\begin{array}{r} 97678 \\ - 87223 \\ \hline \end{array}$	O Reduce: $\frac{3}{9} =$
P Rename as improper: $9\frac{2}{5} =$	Q $3 \overline{)976}$	R $9\frac{23}{36} - 2\frac{8}{9} =$	S $\begin{array}{r} 29522 \\ + 28731 \\ \hline \end{array}$	T $6 - 1\frac{1}{2} =$
U $\frac{5}{7} - \frac{1}{7} =$	V $5\frac{2}{3} + 1\frac{5}{6} =$	W $\begin{array}{r} 756 \\ \times 8 \\ \hline \end{array}$	X Rename as mixed: $\frac{6}{5} =$	Y $60 \overline{)70}$

Adding/Subtracting Fractions With Unlike Denominators

Practice Sheet

Name _____

Date _____

Scored by _____

A Reduce: $\frac{16}{18} =$	B $60 \overline{)70}$	C $\begin{array}{r} 57093 \\ + 79855 \\ \hline \end{array}$	D Rename as improper: $1\frac{4}{7} =$	E $\begin{array}{r} 29995 \\ - 25093 \\ \hline \end{array}$
F $\begin{array}{r} 29495 \\ - 15293 \\ \hline \end{array}$	G Rename as mixed: $\frac{36}{5} =$	H $2\frac{1}{7} - 1\frac{3}{7} =$	I $8\frac{1}{2} - 5\frac{3}{5} =$	J $1\frac{4}{5} + 7\frac{1}{2} =$
K $3 \overline{)299}$	L Rename as mixed: $\frac{47}{5} =$	M $\frac{2}{3} - \frac{1}{3} =$	N $\begin{array}{r} 654 \\ \times 6 \\ \hline \end{array}$	O $5\frac{7}{32} - 1\frac{7}{8} =$
P $\begin{array}{r} 64 \\ \times 1 \\ \hline \end{array}$	Q $\begin{array}{r} 11 \\ \times 8 \\ \hline \end{array}$	R $5\frac{4}{25} - 1\frac{4}{5} =$	S $35 \overline{)66}$	T $\begin{array}{r} 8831 \\ 7514 \\ + 2 \\ \hline \end{array}$
U $7 - 1\frac{3}{5} =$	V Rename as improper: $2\frac{1}{2} =$	W $\begin{array}{r} 476 \\ \times 7 \\ \hline \end{array}$	X Reduce: $\frac{10}{18} =$	Y $3\frac{1}{2} + 4\frac{7}{8} =$

Multiplying and Dividing Fractions

Coach's Question Sheet

1. Read the problem aloud.
2. Is there a whole number in the problem?
 If YES, rewrite the problem and put a 1 under the whole number to make it a fraction. (EXAMPLE: $5 \times \frac{2}{3} = \frac{5}{1} \times \frac{2}{3}$)
 If NO, leave the problem as it is.
3. Is it a multiplication or division problem?
 If MULTIPLICATION, go to #4.
 If DIVISION, rewrite the problem but change the division sign to a multiplication sign and reverse the numbers in the second fraction. (EXAMPLE: $\frac{1}{2} \div \frac{1}{3} = \frac{1}{2} \times \frac{3}{1}$)
4. Multiply the numerators.
5. Multiply the denominators.
6. Do you need to rename the fraction? If yes, do it. (If you need help, see Renaming Hint below.)
7. Do you need to reduce your fraction to lowest terms? If yes, do it.
8. Circle your final answer.

Hint for Renaming

Is the numerator of the fraction less than, equal to, or greater than the denominator?

If LESS THAN, you do not need to rename the fraction.

If EQUAL TO, the fraction equals 1.

EXAMPLE: $\frac{3}{3} = 1$

If GREATER THAN, divide the numerator by the denominator. The quotient becomes a whole number, the remainder becomes the numerator, and the divisor remains the denominator. This number is your renamed fraction.

EXAMPLE: $\frac{9}{7}$

$$\begin{array}{r} 7 \overline{)9} \\ \underline{-7} \\ 2 \end{array}$$

$$\frac{9}{7} = 1 \frac{2}{7}$$

Divisor
Quotient
Remainder

Multiplying and Dividing Fractions

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{1}{2} \times \frac{2}{5} = \frac{2}{10} = \boxed{\frac{1}{5}}$$

$$6 \times \frac{3}{8} = \boxed{2 \frac{1}{4}}$$

$$\frac{3}{4} \div \frac{1}{3} = \boxed{2 \frac{1}{4}}$$

$$\frac{6}{1} \times \frac{3}{8} = \frac{18}{8} =$$

$$\frac{3}{4} \times \frac{3}{1} = \frac{9}{4} = 2 \frac{1}{4}$$

$$2 \frac{2}{8} = 2 \frac{1}{4}$$

$$3 \div \frac{2}{3} = \boxed{4 \frac{1}{2}}$$

$$\frac{1}{4} \times \frac{3}{6} = \frac{3}{24} = \boxed{\frac{1}{8}}$$

$$4 \div \frac{3}{4} = \boxed{5 \frac{1}{3}}$$

$$\frac{3}{1} \times \frac{3}{2} = \frac{9}{2} =$$

$$\frac{9}{2} = 4 \frac{1}{2}$$

$$\frac{4}{1} \times \frac{4}{3} = \frac{16}{3} =$$

$$\frac{16}{3} = 5 \frac{1}{3}$$

$$\frac{2}{3} \div \frac{4}{9} = \boxed{1 \frac{1}{2}}$$

$$8 \times \frac{2}{6} = \boxed{2 \frac{2}{3}}$$

$$5 \div \frac{4}{5} = \boxed{6 \frac{1}{4}}$$

$$\frac{2}{3} \times \frac{9}{4} = \frac{18}{12} =$$

$$1 \frac{6}{12} = 1 \frac{1}{2}$$

$$\frac{8}{1} \times \frac{2}{6} = \frac{16}{6} =$$

$$2 \frac{4}{6} = 2 \frac{2}{3}$$

$$\frac{5}{1} \times \frac{5}{4} = \frac{25}{4} =$$

$$\frac{25}{4} = 6 \frac{1}{4}$$

$$\frac{3}{4} \times \frac{2}{5} = \frac{6}{20} = \boxed{\frac{3}{10}}$$

$$\frac{5}{6} \div \frac{1}{3} = \boxed{2 \frac{1}{2}}$$

$$7 \times \frac{3}{9} = \boxed{2 \frac{1}{3}}$$

$$\frac{5}{6} \times \frac{3}{1} = \frac{15}{6} =$$

$$\frac{7}{1} \times \frac{3}{9} = \frac{21}{9} =$$

$$2 \frac{3}{6} = 2 \frac{1}{2}$$

$$2 \frac{3}{9} = 2 \frac{1}{3}$$

Multiplying and Dividing Fractions

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$$5 \times \frac{5}{6} = \boxed{4 \frac{1}{6}}$$

$$\frac{5}{9} \times \frac{2}{3} = \boxed{\frac{10}{27}}$$

$$\frac{4}{5} \times \frac{2}{4} = \frac{8}{20} = \boxed{\frac{2}{5}}$$

$$\frac{5}{1} \times \frac{5}{6} = \frac{25}{6} = 4 \frac{1}{6}$$

$$\frac{5}{9} \times \frac{2}{3} = \frac{10}{27} = \frac{10}{27}$$

$$4 \div \frac{3}{5} = \boxed{6 \frac{2}{3}}$$

$$\frac{6}{10} \div \frac{1}{4} = \boxed{2 \frac{2}{5}}$$

$$3 \times \frac{4}{10} = \boxed{1 \frac{1}{5}}$$

$$\frac{4}{1} \times \frac{3}{5} = \frac{4}{1} \times \frac{5}{3} = \frac{20}{3} = 6 \frac{2}{3}$$

$$\frac{6}{10} \times \frac{4}{1} = \frac{24}{10} = 2 \frac{4}{10} = 2 \frac{2}{5}$$

$$\frac{3}{1} \times \frac{4}{10} = \frac{12}{10} = 1 \frac{2}{10} = 1 \frac{1}{5}$$

$$\frac{7}{8} \div \frac{1}{3} = \boxed{2 \frac{5}{8}}$$

$$\frac{3}{8} \times \frac{1}{3} = \frac{3}{24} = \boxed{\frac{1}{8}}$$

$$6 \times \frac{2}{5} = \boxed{2 \frac{2}{5}}$$

$$\frac{7}{8} \times \frac{3}{1} = \frac{21}{8} = 2 \frac{5}{8}$$

$$\frac{6}{1} \times \frac{2}{5} = \frac{12}{5} = 2 \frac{2}{5}$$

$$3 \div \frac{4}{6} = \boxed{4 \frac{1}{2}}$$

$$\frac{4}{9} \times \frac{1}{2} = \frac{4}{18} = \boxed{\frac{2}{9}}$$

$$5 \div \frac{3}{4} = \boxed{6 \frac{2}{3}}$$

$$\frac{3}{1} \div \frac{4}{6} = \frac{3}{1} \times \frac{6}{4} = \frac{18}{4} = 4 \frac{2}{4} = 4 \frac{1}{2}$$

$$\frac{5}{1} \div \frac{3}{4} = \frac{5}{1} \times \frac{4}{3} = \frac{20}{3} = 6 \frac{2}{3}$$

Multiplying and Dividing Fractions

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{3}{4} \div \frac{2}{3} = \boxed{1 \frac{1}{8}}$$

$$4 \times \frac{5}{6} = \boxed{3 \frac{1}{3}}$$

$$\frac{3}{9} \times \frac{1}{2} = \frac{3}{18} = \boxed{\frac{1}{6}}$$

$$\frac{3}{4} \times \frac{3}{2} = \frac{9}{8} = 1 \frac{1}{8}$$

$$\frac{4}{1} \times \frac{5}{6} = \frac{20}{6} =$$

$$3 \frac{2}{6} = 3 \frac{1}{3}$$

$$2 \div \frac{3}{4} = \boxed{2 \frac{2}{3}}$$

$$\frac{4}{6} \times \frac{2}{4} = \frac{8}{24} = \boxed{\frac{1}{3}}$$

$$3 \div \frac{4}{5} = \boxed{3 \frac{3}{4}}$$

$$\frac{2}{1} \div \frac{3}{4} = \frac{2}{1} \times \frac{4}{3} =$$

$$\frac{8}{3} = 2 \frac{2}{3}$$

$$\frac{3}{1} \div \frac{4}{5} = \frac{3}{1} \times \frac{5}{4} =$$

$$\frac{15}{4} = 3 \frac{3}{4}$$

$$3 \times \frac{3}{5} = \boxed{1 \frac{4}{5}}$$

$$\frac{3}{8} \div \frac{2}{4} = \boxed{\frac{3}{4}}$$

$$\frac{5}{8} \times \frac{2}{3} = \frac{10}{24} = \boxed{\frac{5}{12}}$$

$$\frac{3}{1} \times \frac{3}{5} = \frac{9}{5} = 1 \frac{4}{5}$$

$$\frac{3}{8} \times \frac{4}{2} = \frac{12}{16} = \frac{3}{4}$$

$$5 \div \frac{4}{6} = \boxed{7 \frac{1}{2}}$$

$$\frac{4}{6} \div \frac{1}{5} = \boxed{3 \frac{1}{3}}$$

$$5 \times \frac{4}{8} = \boxed{2 \frac{1}{2}}$$

$$\frac{5}{1} \div \frac{4}{6} = \frac{5}{1} \times \frac{6}{4} =$$

$$\frac{30}{4} = 7 \frac{2}{4} = 7 \frac{1}{2}$$

$$\frac{4}{6} \times \frac{5}{1} = \frac{20}{6} =$$

$$3 \frac{2}{6} = 3 \frac{1}{3}$$

$$\frac{5}{1} \times \frac{4}{8} = \frac{20}{8} =$$

$$2 \frac{4}{8} = 2 \frac{1}{2}$$

Multiplying and Dividing Fractions

Coaching Answer Sheet

Name _____ Date _____

Coach's Name _____

$$4 \div \frac{5}{6} = \boxed{4 \frac{4}{5}}$$

$$\frac{4}{5} \times \frac{2}{3} = \boxed{\frac{8}{15}}$$

$$\frac{3}{9} \div \frac{1}{4} = \boxed{1 \frac{1}{3}}$$

$$\frac{4}{1} \div \frac{5}{6} = \frac{4}{1} \times \frac{6}{5} =$$

$$\frac{24}{5} = 4 \frac{4}{5}$$

$$\frac{3}{9} \times \frac{4}{1} = \frac{12}{9} =$$

$$1 \frac{3}{9} = 1 \frac{1}{3}$$

$$5 \times \frac{4}{6} = \boxed{3 \frac{1}{3}}$$

$$\frac{6}{8} \div \frac{2}{3} = \boxed{1 \frac{1}{8}}$$

$$6 \times \frac{3}{4} = \boxed{4 \frac{1}{2}}$$

$$\frac{5}{1} \times \frac{4}{6} = \frac{20}{6} =$$

$$3 \frac{2}{6} = 3 \frac{1}{3}$$

$$\frac{6}{8} \times \frac{3}{2} = \frac{18}{16}$$

$$1 \frac{2}{16} = 1 \frac{1}{8}$$

$$\frac{6}{1} \times \frac{3}{4} = \frac{18}{4} =$$

$$4 \frac{2}{4} = 4 \frac{1}{2}$$

$$\frac{6}{7} \times \frac{1}{2} = \frac{6}{14} = \boxed{\frac{3}{7}}$$

$$3 \div \frac{2}{3} = \boxed{4 \frac{1}{2}}$$

$$\frac{4}{5} \div \frac{1}{6} = \boxed{4 \frac{4}{5}}$$

$$\frac{3}{1} \div \frac{2}{3} = \frac{3}{1} \times \frac{3}{2} =$$

$$\frac{9}{2} = 4 \frac{1}{2}$$

$$\frac{4}{5} \times \frac{6}{1} = \frac{24}{5} = 4 \frac{4}{5}$$

$$\frac{4}{7} \times \frac{3}{4} = \frac{12}{28} = \boxed{\frac{3}{7}}$$

$$5 \div \frac{3}{4} = \boxed{6 \frac{2}{3}}$$

$$2 \times \frac{6}{9} = \boxed{1 \frac{1}{3}}$$

$$\frac{5}{1} \times \frac{4}{3} = \frac{20}{3} = 6 \frac{2}{3}$$

$$\frac{2}{1} \times \frac{6}{9} = \frac{12}{9} =$$

$$1 \frac{3}{9} = 1 \frac{1}{3}$$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A Rename as improper: $4\frac{5}{7} =$	B $\begin{array}{r} 35482 \\ - 1384 \\ \hline \end{array}$	C Rename as mixed: $\frac{39}{6} =$	D Reduce: $\frac{8}{12} =$	E $4\overline{)354}$
F $\begin{array}{r} 91 \\ \times 1 \\ \hline \end{array}$	G $9 \times \frac{3}{4} =$	H $\begin{array}{r} 3120 \\ 5972 \\ + 25 \\ \hline \end{array}$	I $25\overline{)3120}$	J Rename as mixed: $\frac{8}{5} =$
K $\begin{array}{r} 435 \\ \times 7 \\ \hline \end{array}$	L $\begin{array}{r} 202 \\ \times 5 \\ \hline \end{array}$	M $\frac{1}{2} \times \frac{4}{5} =$	N $\frac{1}{2} \div \frac{3}{4} =$	O $\begin{array}{r} 26012 \\ + 92969 \\ \hline \end{array}$
P $\begin{array}{r} 6012 \\ - 2969 \\ \hline \end{array}$	Q $\frac{1}{3} \div 5 =$	R Reduce: $\frac{12}{27} =$	S $4 \times \frac{5}{6} =$	T $58\overline{)97}$
U Rename as improper: $4\frac{1}{2} =$	V $\frac{4}{7} \div \frac{1}{3} =$	W $\frac{6}{7} \div 4 =$	X $\begin{array}{r} 26 \\ \times 3 \\ \hline \end{array}$	Y $\frac{1}{2} \times \frac{3}{4} =$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A $24 \overline{)49}$	B $\begin{array}{r} 37 \\ \times 3 \\ \hline \end{array}$	C $\frac{1}{2} \div \frac{2}{3} =$	D $\frac{2}{5} \div \frac{2}{5} =$	E Rename as mixed: $\frac{25}{6} =$
F $\frac{1}{7} \times \frac{2}{3} =$	G $3 \overline{)37}$	H $\begin{array}{r} 98798 \\ - 27027 \\ \hline \end{array}$	I $\begin{array}{r} 66190 \\ + 40003 \\ \hline \end{array}$	J $3 \overline{)661}$
K $\begin{array}{r} 287 \\ \times 4 \\ \hline \end{array}$	L $\begin{array}{r} 36 \\ \times 1 \\ \hline \end{array}$	M $4 \times \frac{4}{5} =$	N Reduce: $\frac{20}{28} =$	O $\begin{array}{r} 36 \\ - 1 \\ \hline \end{array}$
P Rename as improper: $8\frac{2}{3} =$	Q $\begin{array}{r} 6525 \\ 432 \\ + 31 \\ \hline \end{array}$	R $7 \times \frac{2}{5} =$	S Rename as improper: $8\frac{1}{2} =$	T $\begin{array}{r} 286 \\ \times 2 \\ \hline \end{array}$
U Reduce: $\frac{2}{2} =$	V $\frac{1}{2} \div 8 =$	W $\frac{5}{6} \div 5 =$	X $\frac{4}{7} \times \frac{2}{3} =$	Y Rename as mixed: $\frac{29}{7} =$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 2 \overline{)286} \end{array}$	B $\begin{array}{r} 39390 \\ - 21395 \\ \hline \end{array}$	C $\begin{array}{r} 63 \\ \times 7 \\ \hline \end{array}$	D $\frac{4}{5} \div 7 =$	E $\begin{array}{r} 15910 \\ + 23879 \\ \hline \end{array}$
F $\frac{3}{4} \div \frac{1}{3} =$	G $9 \times \frac{1}{3} =$	H Rename as mixed: $\frac{47}{5} =$	I $\frac{1}{2} \div 7 =$	J $\begin{array}{r} 64 \\ \times 6 \\ \hline \end{array}$
K $\begin{array}{r} 816 \\ \times 2 \\ \hline \end{array}$	L $\begin{array}{r} 816 \\ - 2 \\ \hline \end{array}$	M $90 \overline{)93}$	N $3 \times \frac{4}{9} =$	O $\frac{5}{9} \times \frac{1}{2} =$
P $80 \overline{)83}$	Q Rename as improper: $4 \frac{2}{5} =$	R Rename as improper: $8 \frac{2}{7} =$	S Rename as mixed: $\frac{8}{2} =$	T $\begin{array}{r} 6246 \\ 7963 \\ + 89 \\ \hline \end{array}$
U $\frac{3}{8} \div \frac{1}{5} =$	V Reduce: $\frac{9}{15} =$	W $\frac{5}{6} \times \frac{4}{5} =$	X $\begin{array}{r} 574 \\ \times 5 \\ \hline \end{array}$	Y Reduce: $\frac{5}{10} =$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A Rename as mixed: $\frac{6}{2} =$	B $\begin{array}{r} 574 \\ - \quad 5 \end{array}$	C $7 \times \frac{1}{5} =$	D $\begin{array}{r} 570 \\ \times \quad 1 \end{array}$	E Rename as improper: $1\frac{1}{2} =$
F $\begin{array}{r} 44 \\ \times \quad 8 \end{array}$	G $\begin{array}{r} 12 \\ \times \quad 6 \end{array}$	H $\frac{1}{7} \times \frac{1}{3} =$	I $55 \overline{)60}$	J $6 \times \frac{3}{5} =$
K $\begin{array}{r} 4710 \\ 1239 \\ + \quad 53 \end{array}$	L $\frac{1}{5} \div \frac{4}{5} =$	M $53 \overline{)4710}$	N Reduce: $\frac{3}{15} =$	O $\begin{array}{r} 17622 \\ + \quad 66478 \end{array}$
P $\frac{4}{5} \div 5 =$	Q Rename as mixed: $\frac{12}{2} =$	R $\frac{8}{9} \times \frac{1}{2} =$	S $\frac{2}{3} \div \frac{5}{7} =$	T Reduce: $\frac{16}{36} =$
U $\begin{array}{r} 477 \\ \times \quad 9 \end{array}$	V $\frac{1}{2} \div 2 =$	W $\begin{array}{r} 21369 \\ - \quad 9084 \end{array}$	X $4 \overline{)213}$	Y Rename as improper: $7\frac{1}{2} =$

Multiplying and Dividing Fractions

Practice Answer Sheet

Day 1

A 33/7	B 34098	C 6 1/2	D 2/3	E 88 R2
F 91	G 6 3/4	H 9117	I 124 R20	J 1 3/5
K 3045	L 1010	M 2/5	N 2/3	O 118981
P 3043	Q 1/15	R 4/9	S 3 1/3	T 1 R39
U 9/2	V 1 5/7	W 3/14	X 78	Y 3/8

Day 2

A 2 R1	B 111	C 3/4	D 1	E 4 1/6
F 2/21	G 12 R1	H 71771	I 106193	J 220 R1
K 1148	L 36	M 3 1/5	N 5/7	O 35
P 26/3	Q 6988	R 2 4/5	S 17/2	T 572
U 1	V 1/16	W 1/6	X 8/21	Y 4 1/7

Day 3

A 143	B 17995	C 441	D 4/35	E 39789
F 2 1/4	G 3	H 9 2/5	I 1/14	J 384
K 1632	L 814	M 1 R3	N 1 1/3	O 5/18
P 1 R3	Q 22/5	R 58/7	S 4	T 14298
U 1 7/8	V 3/5	W 2/3	X 2870	Y 1/2

Day 4

A 3	B 569	C 1 2/5	D 570	E 3/2
F 352	G 72	H 1/21	I 1 R5	J 3 3/5
K 6002	L 1/4	M 88 R46	N 1/5	O 84100
P 4/25	Q 6	R 4/9	S 14/15	T 4/9
U 4293	V 1/4	W 12285	X 53 R1	Y 15/2

Multiplying and Dividing Fractions

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{1}{2} \times \frac{2}{5} =$$

$$6 \times \frac{3}{8} =$$

$$\frac{3}{4} \div \frac{1}{3} =$$

$$3 \div \frac{2}{3} =$$

$$\frac{1}{4} \times \frac{3}{6} =$$

$$4 \div \frac{3}{4} =$$

$$\frac{2}{3} \div \frac{4}{9} =$$

$$8 \times \frac{2}{6} =$$

$$5 \div \frac{4}{5} =$$

$$\frac{3}{4} \times \frac{2}{5} =$$

$$\frac{5}{6} \div \frac{1}{3} =$$

$$7 \times \frac{3}{9} =$$

Multiplying and Dividing Fractions

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$5 \times \frac{5}{6} =$$

$$\frac{5}{9} \times \frac{2}{3} =$$

$$\frac{4}{5} \times \frac{2}{4} =$$

$$4 \div \frac{3}{5} =$$

$$\frac{6}{10} \div \frac{1}{4} =$$

$$3 \times \frac{4}{10} =$$

$$\frac{7}{8} \div \frac{1}{3} =$$

$$\frac{3}{8} \times \frac{1}{3} =$$

$$6 \times \frac{2}{5} =$$

$$3 \div \frac{4}{6} =$$

$$\frac{4}{9} \times \frac{1}{2} =$$

$$5 \div \frac{3}{4} =$$

Multiplying and Dividing Fractions

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$\frac{3}{4} \div \frac{2}{3} =$$

$$4 \times \frac{5}{6} =$$

$$\frac{3}{9} \times \frac{1}{2} =$$

$$2 \div \frac{3}{4} =$$

$$\frac{4}{6} \times \frac{2}{4} =$$

$$3 \div \frac{4}{5} =$$

$$3 \times \frac{3}{5} =$$

$$\frac{3}{8} \div \frac{2}{4} =$$

$$\frac{5}{8} \times \frac{2}{3} =$$

$$5 \div \frac{4}{6} =$$

$$\frac{4}{6} \div \frac{1}{5} =$$

$$5 \times \frac{4}{8} =$$

Multiplying and Dividing Fractions

Coaching Sheet

Name _____ Date _____

Coach's Name _____

$$4 \div \frac{5}{6} =$$

$$\frac{4}{5} \times \frac{2}{3} =$$

$$\frac{3}{9} \div \frac{1}{4} =$$

$$5 \times \frac{4}{6} =$$

$$\frac{6}{8} \div \frac{2}{3} =$$

$$6 \times \frac{3}{4} =$$

$$\frac{6}{7} \times \frac{1}{2} =$$

$$3 \div \frac{2}{3} =$$

$$\frac{4}{5} \div \frac{1}{6} =$$

$$\frac{4}{7} \times \frac{3}{4} =$$

$$5 \div \frac{3}{4} =$$

$$2 \times \frac{6}{9} =$$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A Rename as improper: $4\frac{5}{7} =$	B $\begin{array}{r} 35482 \\ - 1384 \\ \hline \end{array}$	C Rename as mixed: $\frac{39}{6} =$	D Reduce: $\frac{8}{12} =$	E $4\overline{)354}$
F $\begin{array}{r} 91 \\ \times 1 \\ \hline \end{array}$	G $9 \times \frac{3}{4} =$	H $\begin{array}{r} 3120 \\ 5972 \\ + 25 \\ \hline \end{array}$	I $25\overline{)3120}$	J Rename as mixed: $\frac{8}{5} =$
K $\begin{array}{r} 435 \\ \times 7 \\ \hline \end{array}$	L $\begin{array}{r} 202 \\ \times 5 \\ \hline \end{array}$	M $\frac{1}{2} \times \frac{4}{5} =$	N $\frac{1}{2} \div \frac{3}{4} =$	O $\begin{array}{r} 26012 \\ + 92969 \\ \hline \end{array}$
P $\begin{array}{r} 6012 \\ - 2969 \\ \hline \end{array}$	Q $\frac{1}{3} \div 5 =$	R Reduce: $\frac{12}{27} =$	S $4 \times \frac{5}{6} =$	T $58\overline{)97}$
U Rename as improper: $4\frac{1}{2} =$	V $\frac{4}{7} \div \frac{1}{3} =$	W $\frac{6}{7} \div 4 =$	X $\begin{array}{r} 26 \\ \times 3 \\ \hline \end{array}$	Y $\frac{1}{2} \times \frac{3}{4} =$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 24 \overline{)49} \end{array}$	B $\begin{array}{r} 37 \\ \times 3 \\ \hline \end{array}$	C $\frac{1}{2} \div \frac{2}{3} =$	D $\frac{2}{5} \div \frac{2}{5} =$	E Rename as mixed: $\frac{25}{6} =$
F $\frac{1}{7} \times \frac{2}{3} =$	G $3 \overline{)37}$	H $\begin{array}{r} 98798 \\ - 27027 \\ \hline \end{array}$	I $\begin{array}{r} 66190 \\ + 40003 \\ \hline \end{array}$	J $3 \overline{)661}$
K $\begin{array}{r} 287 \\ \times 4 \\ \hline \end{array}$	L $\begin{array}{r} 36 \\ \times 1 \\ \hline \end{array}$	M $4 \times \frac{4}{5} =$	N Reduce: $\frac{20}{28} =$	O $\begin{array}{r} 36 \\ - 1 \\ \hline \end{array}$
P Rename as improper: $8\frac{2}{3} =$	Q $\begin{array}{r} 6525 \\ 432 \\ + 31 \\ \hline \end{array}$	R $7 \times \frac{2}{5} =$	S Rename as improper: $8\frac{1}{2} =$	T $\begin{array}{r} 286 \\ \times 2 \\ \hline \end{array}$
U Reduce: $\frac{2}{2} =$	V $\frac{1}{2} \div 8 =$	W $\frac{5}{6} \div 5 =$	X $\frac{4}{7} \times \frac{2}{3} =$	Y Rename as mixed: $\frac{29}{7} =$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A $\begin{array}{r} 2 \overline{)286} \end{array}$	B $\begin{array}{r} 39390 \\ - 21395 \\ \hline \end{array}$	C $\begin{array}{r} 63 \\ \times 7 \\ \hline \end{array}$	D $\frac{4}{5} \div 7 =$	E $\begin{array}{r} 15910 \\ + 23879 \\ \hline \end{array}$
F $\frac{3}{4} \div \frac{1}{3} =$	G $9 \times \frac{1}{3} =$	H Rename as mixed: $\frac{47}{5} =$	I $\frac{1}{2} \div 7 =$	J $\begin{array}{r} 64 \\ \times 6 \\ \hline \end{array}$
K $\begin{array}{r} 816 \\ \times 2 \\ \hline \end{array}$	L $\begin{array}{r} 816 \\ - 2 \\ \hline \end{array}$	M $90 \overline{)93}$	N $3 \times \frac{4}{9} =$	O $\frac{5}{9} \times \frac{1}{2} =$
P $80 \overline{)83}$	Q Rename as improper: $4 \frac{2}{5} =$	R Rename as improper: $8 \frac{2}{7} =$	S Rename as mixed: $\frac{8}{2} =$	T $\begin{array}{r} 6246 \\ 7963 \\ + 89 \\ \hline \end{array}$
U $\frac{3}{8} \div \frac{1}{5} =$	V Reduce: $\frac{9}{15} =$	W $\frac{5}{6} \times \frac{4}{5} =$	X $\begin{array}{r} 574 \\ \times 5 \\ \hline \end{array}$	Y Reduce: $\frac{5}{10} =$

Multiplying and Dividing Fractions

Practice Sheet

Name _____

Date _____

Scored by _____

A Rename as mixed: $\frac{6}{2} =$	B $\begin{array}{r} 574 \\ - \quad 5 \end{array}$	C $7 \times \frac{1}{5} =$	D $\begin{array}{r} 570 \\ \times \quad 1 \end{array}$	E Rename as improper: $1\frac{1}{2} =$
F $\begin{array}{r} 44 \\ \times \quad 8 \end{array}$	G $\begin{array}{r} 12 \\ \times \quad 6 \end{array}$	H $\frac{1}{7} \times \frac{1}{3} =$	I $55 \overline{)60}$	J $6 \times \frac{3}{5} =$
K $\begin{array}{r} 4710 \\ 1239 \\ + \quad 53 \end{array}$	L $\frac{1}{5} \div \frac{4}{5} =$	M $53 \overline{)4710}$	N Reduce: $\frac{3}{15} =$	O $\begin{array}{r} 17622 \\ + \quad 66478 \end{array}$
P $\frac{4}{5} \div 5 =$	Q Rename as mixed: $\frac{12}{2} =$	R $\frac{8}{9} \times \frac{1}{2} =$	S $\frac{2}{3} \div \frac{5}{7} =$	T Reduce: $\frac{16}{36} =$
U $\begin{array}{r} 477 \\ \times \quad 9 \end{array}$	V $\frac{1}{2} \div 2 =$	W $\begin{array}{r} 21369 \\ - \quad 9084 \end{array}$	X $4 \overline{)213}$	Y Rename as improper: $7\frac{1}{2} =$



Grade 6

Applications

Applied Computation

Coach's Question Sheet

1. Read the problem aloud.
2. What are you rounding to?
3. Underline the digit in that place.
4. Look at the digit that is one place to its right. Do you need to round up or down? (If you need help, see Rounding Hint below.)
5. Write the rounded number in the blank.

Hint for Rounding Numbers

If the digit that is one place to the right of the underlined number is less than 5, round DOWN. When you round DOWN, the underlined number stays the same. Any numbers to the right of the underlined number become 0.

If the digit that is one place to the right of the underlined number is 5 or more, round UP. When you round UP, the underlined number goes up one digit. Any numbers to the right of the underlined number become 0.

EXAMPLE: Round to the nearest ten:

6,362,748 _____

The digit to the right of the underlined number is 5 or more, so you round up.

6,362,748 6,362,750

EXAMPLE: Round to the nearest hundred:

6,362,748 _____

The digit to the right of the underlined number is less than 5, so you round down.

6,362,748 6,362,700

Applied Computation

Coach's Question Sheet

1. Read the problem.
2. What are you rounding to?
3. Underline the digit in the place you're rounding to.
4. Look at the digit that is one place to its right. Do you need to round up or down? (If you need help, see Rounding Hint below.)
5. Write the rounded number in the blank.

Hint for Rounding Numbers

If the digit that is one place to the right of the underlined number is less than 5, round DOWN. When you round DOWN, the underlined number stays the same.

If the digit that is one place to the right of the underlined number is 5 or more, round UP. When you round UP, the underlined number goes up one digit.

EXAMPLE: Round to the nearest whole number:
417.2893 _____

The digit to the right of the underlined number is less than 5, so you round down.
417.2893 417 _____

EXAMPLE: Round to the nearest thousandth:
347.5265 _____

The digit to the right of the underlined number is 5 or more, so you round up.
347.5265 347.527 _____

Applied Computation Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Round to the nearest ten:

8,594,648 8,594,650

Round to the nearest thousand:

5,668,057 5,668,000

Round to the nearest hundred:

1,725,321 1,725,300Round to the nearest ten
thousand:4,687,864 4,690,000

Round to the nearest hundred:

3,243,264 3,243,300Round to the nearest ten
thousand:6,345,652 6,350,000

Round to the nearest ten:

9,083,941 9,083,940

Round to the nearest thousand:

5,625,529 5,626,000

Round to the nearest ten:

2,081,064 2,081,060

Round to the nearest hundred:

7,694,226 7,694,200Round to the nearest ten
thousand:9,491,688 9,490,000

Round to the nearest thousand:

5,363,028 5,363,000

Round to the nearest hundred:

8,424,680 8,424,700

Round to the nearest thousand:

9,024,369 9,024,000

Round to the nearest ten:

3,814,568 3,814,570

Round to the nearest hundred:

3,568,703 3,568,700Round to the nearest ten
thousand:1,829,217 1,830,000

Round to the nearest thousand:

4,801,528 4,802,000

Round to the nearest ten:

6,754,221 6,754,220

Round to the nearest thousand:

2,916,704 2,917,000

Round to the nearest ten:

5,533,568 5,533,570Round to the nearest ten
thousand:3,263,261 3,260,000

Round to the nearest hundred:

7,329,258 7,329,300Round to the nearest ten
thousand:8,425,563 8,430,000

Applied Computation

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Round to the nearest hundred:	Round to the nearest ten:	Round to the nearest ten thousand:
5,918,774 <u>5,918,800</u>	3,276,253 <u>3,276,250</u>	9,338,539 <u>9,340,000</u>
Round to the nearest thousand:	Round to the nearest ten thousand:	Round to the nearest ten:
2,687,846 <u>2,688,000</u>	4,817,067 <u>4,820,000</u>	1,083,492 <u>1,083,490</u>
Round to the nearest hundred:	Round to the nearest thousand:	Round to the nearest hundred:
6,921,406 <u>6,921,400</u>	7,562,058 <u>7,562,000</u>	6,307,352 <u>6,307,400</u>
Round to the nearest ten thousand:	Round to the nearest ten thousand:	Round to the nearest thousand:
4,515,038 <u>4,520,000</u>	8,654,312 <u>8,650,000</u>	3,624,361 <u>3,624,000</u>
Round to the nearest ten:	Round to the nearest hundred:	Round to the nearest hundred:
5,015,686 <u>5,015,690</u>	5,948,265 <u>5,948,270</u>	7,042,325 <u>7,042,300</u>
Round to the nearest hundred:	Round to the nearest ten:	Round to the nearest ten thousand:
3,418,752 <u>3,418,800</u>	9,061,543 <u>9,061,540</u>	8,632,806 <u>8,630,000</u>
Round to the nearest thousand:	Round to the nearest thousand:	Round to the nearest ten:
1,425,059 <u>1,425,000</u>	2,307,638 <u>2,308,000</u>	6,119,765 <u>6,119,770</u>
Round to the nearest hundred:	Round to the nearest ten thousand:	Round to the nearest thousand:
7,441,453 <u>7,441,500</u>	9,721,233 <u>9,720,000</u>	2,942,807 <u>2,943,000</u>

Applied Computation

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Round to the nearest whole
number:263.2538 263

Round to the nearest tenth:

495.6873 495.7

Round to the nearest hundredth:

341.7281 341.73

Round to the nearest thousandth:

536.4823 536.482

Round to the nearest tenth:

834.9239 834.9

Round to the nearest hundredth:

564.4856 564.49

Round to the nearest thousandth:

185.8254 185.825

Round to the nearest thousandth:

679.3645 679.365

Round to the nearest hundredth:

726.3829 726.38

Round to the nearest tenth:

642.3608 642.4Round to the nearest whole
number:918.5703 919Round to the nearest whole
number:806.5173 807

Round to the nearest hundredth:

217.8436 217.84Round to the nearest whole
number:323.6205 324

Round to the nearest thousandth:

828.4961 828.496

Round to the nearest tenth:

721.8630 721.9

Round to the nearest thousandth:

985.5352 985.535Round to the nearest whole
number:186.2536 186Round to the nearest whole
number:325.4693 325

Round to the nearest hundredth:

464.8258 464.83

Round to the nearest tenth:

573.3512 573.4

Round to the nearest hundredth:

658.3246 658.32

Round to the nearest tenth:

701.1543 701.2

Round to the nearest thousandth:

585.6689 585.669

Applied Computation

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Round to the nearest whole number:

825.5396 826

Round to the nearest thousandth:

746.8735 746.874

Round to the nearest tenth:

924.2203 924.2

Round to the nearest tenth:

364.4883 364.5

Round to the nearest hundredth:

426.4821 426.48

Round to the nearest tenth:

201.1089 201.1

Round to the nearest hundredth:

629.5568 629.56

Round to the nearest tenth:

968.3714 968.4

Round to the nearest hundredth:

186.4318 186.43

Round to the nearest thousandth:

637.3891 637.389

Round to the nearest whole number:

723.5406 724

Round to the nearest whole number:

461.4517 461

Round to the nearest tenth:

216.5499 216.5

Round to the nearest whole number:

827.8201 828

Round to the nearest tenth:

865.2634 865.3

Round to the nearest hundredth:

426.3806 426.38

Round to the nearest thousandth:

214.8545 214.855

Round to the nearest whole number:

664.1670 664

Round to the nearest whole number:

904.6382 905

Round to the nearest hundredth:

394.9652 394.97

Round to the nearest hundredth:

562.2108 562.21

Round to the nearest thousandth:

532.6967 532.697

Round to the nearest thousandth:

229.6483 229.648

Round to the nearest thousandth:

151.6606 151.661

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest ten thousand:

5,964,209 _____

B. Round to the nearest hundred:

6,079,650 _____

C. Round to the nearest ten:

4,204,328 _____

D. Round to the nearest hundred:

3,824,706 _____

E. Round to the nearest thousand:

7,623,629 _____

F. Round to the nearest ten:

2,158,366 _____

G. Round to the nearest thousand:

9,016,362 _____

H. Round to the nearest hundred:

8,195,650 _____

I. Round to the nearest ten thousand:

4,837,583 _____

J. Round to the nearest thousand:

1,416,294 _____

Solve. (1 point each)

K.
$$\begin{array}{r} 67125 \\ + 3861 \\ \hline \end{array}$$

L. $6\frac{4}{9} - 5 =$

Reduce:

M. $\frac{3}{18} =$

N.
$$\begin{array}{r} 624 \\ \times 5 \\ \hline \end{array}$$

O. $4 \overline{)622}$

Rename as mixed:

P. $\frac{14}{9} =$

Q. $\frac{4}{6} + \frac{1}{6} =$

R. $6 + 2\frac{3}{5} =$

S.
$$\begin{array}{r} 82096 \\ - 5417 \\ \hline \end{array}$$

Rename as improper:

T. $4\frac{2}{3} =$

Reduce:

U. $\frac{5}{15} =$

V. $5 \overline{)47}$

W.
$$\begin{array}{r} 382 \\ \times 6 \\ \hline \end{array}$$

X.
$$\begin{array}{r} 4973 \\ + 2861 \\ \hline \end{array}$$

Y. $\frac{7}{8} - \frac{2}{8} =$

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest hundred:

1,695,872 _____

B. Round to the nearest thousand:

4,241,064 _____

C. Round to the nearest ten:

3,059,245 _____

D. Round to the nearest hundred:

9,156,238 _____

E. Round to the nearest ten thousand:

5,638,609 _____

F. Round to the nearest thousand:

8,702,539 _____

G. Round to the nearest ten:

6,425,652 _____

H. Round to the nearest thousand:

7,317,633 _____

I. Round to the nearest ten:

2,569,069 _____

J. Round to the nearest ten thousand:

1,051,186 _____

Solve. (1 point each)

$$\begin{array}{r} \text{K. } 4973 \\ + 3861 \\ \hline \end{array}$$

$$\text{L. } \frac{3}{8} + \frac{2}{8} =$$

$$\begin{array}{r} \text{M. } 684 \\ \times 6 \\ \hline \end{array}$$

Reduce:

$$\text{N. } \frac{4}{16} =$$

$$\text{O. } 7 \overline{)50}$$

$$\begin{array}{r} \text{P. } 68320 \\ - 4873 \\ \hline \end{array}$$

Reduce:

$$\text{Q. } \frac{5}{20} =$$

$$\text{R. } 6 + 3\frac{2}{9} =$$

$$\begin{array}{r} \text{S. } 18739 \\ + 4218 \\ \hline \end{array}$$

Rename as mixed:

$$\text{T. } \frac{16}{7} =$$

$$\text{U. } 2 \overline{)483}$$

Rename as improper:

$$\text{V. } 5\frac{3}{4} =$$

$$\begin{array}{r} \text{W. } 416 \\ \times 3 \\ \hline \end{array}$$

$$\text{X. } \frac{3}{5} - \frac{2}{5} =$$

$$\begin{array}{r} \text{Y. } 2974 \\ - 1085 \\ \hline \end{array}$$

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest tenth:

707.4921 _____

B. Round to the nearest whole number:

825.3296 _____

C. Round to the nearest thousandth:

514.5155 _____

D. Round to the nearest hundredth:

364.4305 _____

E. Round to the nearest tenth:

915.5267 _____

F. Round to the nearest thousandth:

288.8368 _____

G. Round to the nearest hundredth:

147.6882 _____

H. Round to the nearest whole number:

509.2866 _____

I. Round to the nearest hundredth:

671.7558 _____

J. Round to the nearest thousandth:

424.4291 _____

K. Round to the nearest whole number:

436.5832 _____

L. Round to the nearest tenth:

966.5683 _____

Solve. (1 point each)

Rename as mixed:

M. $\frac{11}{8} =$

N.
$$\begin{array}{r} 5179 \\ - 3880 \\ \hline \end{array}$$

O. $\frac{5}{8} - \frac{2}{8} =$

P.
$$\begin{array}{r} 683 \\ \times 5 \\ \hline \end{array}$$

Q. $6 + 5\frac{2}{7} =$

R.
$$\begin{array}{r} 60972 \\ + 5368 \\ \hline \end{array}$$

S. $\frac{4}{9} + \frac{3}{9} =$

Rename as improper:

T. $5\frac{1}{3} =$

U.
$$\begin{array}{r} 82640 \\ - 3921 \\ \hline \end{array}$$

V. $7\overline{)36}$

Reduce:

W.
$$\begin{array}{r} 5687 \\ + 3249 \\ \hline \end{array}$$

X.
$$\begin{array}{r} 419 \\ \times 2 \\ \hline \end{array}$$

Y. $\frac{4}{16} =$

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest thousandth:

236.8492 _____

B. Round to the nearest whole number:

406.5873 _____

C. Round to the nearest hundredth:

641.8473 _____

D. Round to the nearest tenth:

528.6269 _____

E. Round to the nearest tenth:

729.7501 _____

F. Round to the nearest thousandth:

312.6545 _____

G. Round to the nearest hundredth:

114.2846 _____

H. Round to the nearest whole number:

817.8936 _____

I. Round to the nearest whole number:

436.1296 _____

J. Round to the nearest hundredth:

389.1416 _____

K. Round to the nearest tenth:

753.4501 _____

L. Round to the nearest thousandth:

964.2632 _____

Solve. (1 point each)

M.
$$\begin{array}{r} 5 \overline{)28} \end{array}$$

N.
$$\begin{array}{r} 86239 \\ + 4056 \\ \hline \end{array}$$

O.
$$\frac{4}{6} - \frac{3}{6} =$$

P.
$$\begin{array}{r} 11077 \\ - 3995 \\ \hline \end{array}$$

Rename as mixed:

Q.
$$\frac{17}{7} =$$

R.
$$\begin{array}{r} 7825 \\ - 6386 \\ \hline \end{array}$$

S.
$$5 + 1\frac{4}{7} =$$

T.
$$6 \overline{)39}$$

U.
$$\frac{2}{8} + \frac{1}{8} =$$

V.
$$\begin{array}{r} 644 \\ \times 5 \\ \hline \end{array}$$

Reduce:

W.
$$\frac{3}{18} =$$

X.
$$\begin{array}{r} 724 \\ \times 6 \\ \hline \end{array}$$

Rename as improper:

Y.
$$3\frac{2}{6} =$$

Applied Computation

Practice Answer Sheet

Day 1					Day 2				
A. 5,960,000 B. 6,079,700 C. 4,204,330 D. 3,824,700 E. 7,624,000 F. 2,158,370 G. 9,016,000 H. 8,195,700 I. 4,840,000 J. 1,416,000					A. 1,695,900 B. 4,241,000 C. 3,059,250 D. 9,156,200 E. 5,640,000 F. 8,703,000 G. 6,425,650 H. 7,318,000 I. 2,569,070 J. 1,050,000				
K. 70,986	L. 1 $\frac{4}{9}$	M. 1/6	N. 3,120	O. 155r2	K. 8,834	L. 5/8	M. 4,104	N. 1/4	O. 7r1
P. 1 $\frac{5}{9}$	Q. 5/6	R. 8 $\frac{3}{5}$	S. 76,679	T. 14/3	P. 63,447	Q. 1/4	R. 9 $\frac{2}{9}$	S. 22,957	T. 2 $\frac{2}{7}$
U. 1/3	V. 9r2	W. 2,292	X. 7,834	Y. 5/8	U. 241r1	V. 23/4	W. 1,248	X. 1/5	Y. 1,889

Day 3					Day 4				
A. 707.5 B. 825 C. 514.516 D. 364.43 E. 915.5 F. 288.837 G. 147.69 H. 509 I. 671.76 J. 424.429 K. 437 L. 966.6					A. 236.849 B. 407 C. 641.85 D. 528.6 E. 729.8 F. 312.655 G. 114.28 H. 818 I. 436 J. 389.14 K. 753.5 L. 964.263				
M. 1 $\frac{3}{8}$	N. 1,299	O. 3/8	P. 3,415	Q. 11 $\frac{2}{7}$	M. 5r3	N. 90,295	O. 1/6	P. 7,082	Q. 2 $\frac{3}{7}$
R. 66,340	S. 7/9	T. 16/3	U. 78,719	V. 5r1	R. 1,439	S. 6 $\frac{4}{7}$	T. 6r3	U. 3/8	V. 3,220
	W. 8,936	X. 838	Y. 1/4			W. 1/6	X. 4,344	Y. 20/6	

Applied Computation

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the number in the blank.

Round to the nearest ten:

8,594,648 _____

Round to the nearest thousand:

5,668,057 _____

Round to the nearest hundred:

1,725,321 _____

Round to the nearest ten
thousand:

4,687,864 _____

Round to the nearest hundred:

3,243,264 _____

Round to the nearest ten
thousand:

6,345,652 _____



Round to the nearest ten:

9,083,941 _____

Round to the nearest thousand:

5,625,529 _____

Round to the nearest ten:

2,081,064 _____

Round to the nearest hundred:

7,694,226 _____

Round to the nearest ten
thousand:

9,491,688 _____

Round to the nearest thousand:

5,363,028 _____



Round to the nearest hundred:

8,424,680 _____

Round to the nearest thousand:

9,024,369 _____

Round to the nearest ten:

3,814,568 _____

Round to the nearest hundred:

3,568,703 _____

Round to the nearest ten
thousand:

1,829,217 _____

Round to the nearest thousand:

4,801,528 _____



Round to the nearest ten:

6,754,221 _____

Round to the nearest thousand:

2,916,704 _____

Round to the nearest ten:

5,533,568 _____

Round to the nearest ten
thousand:

3,263,261 _____

Round to the nearest hundred:

7,329,258 _____

Round to the nearest ten
thousand:

8,425,563 _____

Applied Computation

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the number in the blank.

Round to the nearest hundred:

5,918,774 _____

Round to the nearest ten:

3,276,253 _____

Round to the nearest ten thousand:

9,338,539 _____

Round to the nearest thousand:

2,687,846 _____

Round to the nearest ten thousand:

4,817,067 _____

Round to the nearest ten:

1,083,492 _____



Round to the nearest hundred:

6,921,406 _____

Round to the nearest thousand:

7,562,058 _____

Round to the nearest hundred:

6,307,352 _____

Round to the nearest ten thousand:

4,515,038 _____

Round to the nearest ten thousand:

8,654,312 _____

Round to the nearest thousand:

3,624,361 _____



Round to the nearest ten:

5,015,686 _____

Round to the nearest hundred:

5,948,265 _____

Round to the nearest hundred:

7,042,325 _____

Round to the nearest hundred:

3,418,752 _____

Round to the nearest ten:

9,061,543 _____

Round to the nearest ten thousand:

8,632,806 _____



Round to the nearest thousand:

1,425,059 _____

Round to the nearest thousand:

2,307,638 _____

Round to the nearest ten:

6,119,765 _____

Round to the nearest hundred:

7,441,453 _____

Round to the nearest ten thousand:

9,721,233 _____

Round to the nearest thousand:

2,942,807 _____

Applied Computation

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the number in the blank.

Round to the nearest whole
number:

263.2538 _____

Round to the nearest tenth:

495.6873 _____

Round to the nearest hundredth:

341.7281 _____

Round to the nearest thousandth:

536.4823 _____

Round to the nearest tenth:

834.9239 _____

Round to the nearest hundredth:

564.4856 _____



Round to the nearest thousandth:

185.8254 _____

Round to the nearest thousandth:

679.3645 _____

Round to the nearest hundredth:

726.3829 _____

Round to the nearest tenth:

642.3608 _____

Round to the nearest whole
number:

918.5703 _____

Round to the nearest whole
number:

806.5173 _____



Round to the nearest hundredth:

8,424,680 _____

Round to the nearest whole
number:

323.6205 _____

Round to the nearest thousandth:

828.4961 _____

Round to the nearest tenth:

721.8630 _____

Round to the nearest thousandth: Round to the nearest whole
number:

985.5352 _____

186.2536 _____

Round to the nearest whole
number:

325.4693 _____

Round to the nearest hundredth: Round to the nearest tenth:

464.8258 _____

573.3512 _____

Round to the nearest hundredth:

658.3246 _____

Round to the nearest tenth:

701.1543 _____

Round to the nearest thousandth:

585.6689 _____

Applied Computation

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the number in the blank.

Round to the nearest whole
number:

825.5396 _____

Round to the nearest thousandth:

746.8735 _____

Round to the nearest tenth:

924.2203 _____

Round to the nearest tenth:

364.4883 _____

Round to the nearest hundredth:

426.4821 _____

Round to the nearest tenth:

201.1089 _____



Round to the nearest hundredth:

629.5568 _____

Round to the nearest tenth:

968.3714 _____

Round to the nearest hundredth:

186.4318 _____

Round to the nearest thousandth:

637.3891 _____

Round to the nearest whole
number:

723.5406 _____

Round to the nearest whole
number:

461.4517 _____



Round to the nearest tenth:

216.5499 _____

Round to the nearest whole
number:

827.8201 _____

Round to the nearest tenth:

865.2634 _____

Round to the nearest hundredth:

426.3806 _____

Round to the nearest thousandth:

214.8545 _____

Round to the nearest whole
number:

664.1670 _____

Round to the nearest whole
number:

904.6382 _____

Round to the nearest hundredth:

394.9652 _____

Round to the nearest hundredth:

562.2108 _____

Round to the nearest thousandth:

532.6967 _____

Round to the nearest thousandth:

229.6483 _____

Round to the nearest thousandth:

151.6606 _____

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest ten thousand:

5,964,209 _____

B. Round to the nearest hundred:

6,079,650 _____

C. Round to the nearest ten:

4,204,328 _____

D. Round to the nearest hundred:

3,824,706 _____

E. Round to the nearest thousand:

7,623,629 _____

F. Round to the nearest ten:

2,158,366 _____

G. Round to the nearest thousand:

9,016,362 _____

H. Round to the nearest hundred:

8,195,650 _____

I. Round to the nearest ten thousand:

4,837,583 _____

J. Round to the nearest thousand:

1,416,294 _____

Solve. (1 point each)

$$\begin{array}{r} K. \quad 67125 \\ + \quad 3861 \\ \hline \end{array}$$

$$L. \quad 6\frac{4}{9} - 5 =$$

Reduce:

$$M. \quad \frac{3}{18} =$$

$$N. \quad \begin{array}{r} 624 \\ \times 5 \\ \hline \end{array}$$

$$O. \quad 4 \overline{)622}$$

Rename as mixed:

$$P. \quad \frac{14}{9} =$$

$$Q. \quad \frac{4}{6} + \frac{1}{6} =$$

$$R. \quad 6 + 2\frac{3}{5} =$$

$$S. \quad \begin{array}{r} 82096 \\ - 5417 \\ \hline \end{array}$$

Rename as improper:

$$T. \quad 4\frac{2}{3} =$$

Reduce:

$$U. \quad \frac{5}{15} =$$

$$V. \quad 5 \overline{)47}$$

$$W. \quad \begin{array}{r} 382 \\ \times 6 \\ \hline \end{array}$$

$$X. \quad \begin{array}{r} 4973 \\ + 2861 \\ \hline \end{array}$$

$$Y. \quad \frac{7}{8} - \frac{2}{8} =$$

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest hundred:

1,695,872 _____

B. Round to the nearest thousand:

4,241,064 _____

C. Round to the nearest ten:

3,059,245 _____

D. Round to the nearest hundred:

9,156,238 _____

E. Round to the nearest ten thousand:

5,638,609 _____

F. Round to the nearest thousand:

8,702,539 _____

G. Round to the nearest ten:

6,425,652 _____

H. Round to the nearest thousand:

7,317,633 _____

I. Round to the nearest ten:

2,569,069 _____

J. Round to the nearest ten thousand:

1,051,186 _____

Solve. (1 point each)

K.
$$\begin{array}{r} 4973 \\ + 3861 \\ \hline \end{array}$$

L.
$$\frac{3}{8} + \frac{2}{8} =$$

M.
$$\begin{array}{r} 684 \\ \times 6 \\ \hline \end{array}$$

Reduce:

N.
$$\frac{4}{16} =$$

O.
$$7 \overline{)50}$$

P.
$$\begin{array}{r} 68320 \\ - 4873 \\ \hline \end{array}$$

Reduce:

Q.
$$\frac{5}{20} =$$

R.
$$6 + 3\frac{2}{9} =$$

S.
$$\begin{array}{r} 18739 \\ + 4218 \\ \hline \end{array}$$

Rename as mixed:

T.
$$\frac{16}{7} =$$

U.
$$2 \overline{)483}$$

Rename as improper:

V.
$$5\frac{3}{4} =$$

W.
$$\begin{array}{r} 416 \\ \times 3 \\ \hline \end{array}$$

X.
$$\frac{3}{5} - \frac{2}{5} =$$

Y.
$$\begin{array}{r} 2974 \\ - 1085 \\ \hline \end{array}$$

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest tenth:

707.4921 _____

B. Round to the nearest whole number:

825.3296 _____

C. Round to the nearest thousandth:

514.5155 _____

D. Round to the nearest hundredth:

364.4305 _____

E. Round to the nearest tenth:

915.5267 _____

F. Round to the nearest thousandth:

288.8368 _____

G. Round to the nearest hundredth:

147.6882 _____

H. Round to the nearest whole number:

509.2866 _____

I. Round to the nearest hundredth:

671.7558 _____

J. Round to the nearest thousandth:

424.4291 _____

K. Round to the nearest whole number:

436.5832 _____

L. Round to the nearest tenth:

966.5683 _____

Solve. (1 point each)

Rename as mixed:

M. $\frac{11}{8} =$

N.
$$\begin{array}{r} 5179 \\ -3880 \\ \hline \end{array}$$

O. $\frac{5}{8} - \frac{2}{8} =$

P.
$$\begin{array}{r} 683 \\ \times 5 \\ \hline \end{array}$$

Q. $6 + 5\frac{2}{7} =$

R.
$$\begin{array}{r} 60972 \\ + 5368 \\ \hline \end{array}$$

S. $\frac{4}{9} + \frac{3}{9} =$

Rename as improper:

T. $5\frac{1}{3} =$

U.
$$\begin{array}{r} 82640 \\ - 3921 \\ \hline \end{array}$$

V. $7\overline{)36}$

Reduce:

W.
$$\begin{array}{r} 5687 \\ + 3249 \\ \hline \end{array}$$

X.
$$\begin{array}{r} 419 \\ \times 2 \\ \hline \end{array}$$

Y. $\frac{4}{16} =$

Applied Computation

Practice Sheet

Name _____

Date _____

Scored by _____

Fill in the blanks. (1 point each.)

A. Round to the nearest thousandth:

236.8492 _____

B. Round to the nearest whole number:

406.5873 _____

C. Round to the nearest hundredth:

641.8473 _____

D. Round to the nearest tenth:

528.6269 _____

E. Round to the nearest tenth:

729.7501 _____

F. Round to the nearest thousandth:

312.6545 _____

G. Round to the nearest hundredth:

114.2846 _____

H. Round to the nearest whole number:

817.8936 _____

I. Round to the nearest whole number:

436.1296 _____

J. Round to the nearest hundredth:

389.1416 _____

K. Round to the nearest tenth:

753.4501 _____

L. Round to the nearest thousandth:

964.2632 _____

Solve. (1 point each)

M.
$$\begin{array}{r} 5 \overline{)28} \end{array}$$

N.
$$\begin{array}{r} 86239 \\ + 4056 \\ \hline \end{array}$$

O.
$$\frac{4}{6} - \frac{3}{6} =$$

P.
$$\begin{array}{r} 11077 \\ - 3995 \\ \hline \end{array}$$

Rename as mixed:

Q.
$$\frac{17}{7} =$$

R.
$$\begin{array}{r} 7825 \\ - 6386 \\ \hline \end{array}$$

S.
$$5 + 1\frac{4}{7} =$$

T.
$$6 \overline{)39}$$

U.
$$\frac{2}{8} + \frac{1}{8} =$$

V.
$$\begin{array}{r} 644 \\ \times 5 \\ \hline \end{array}$$

Reduce:

W.
$$\frac{3}{18} =$$

X.
$$\begin{array}{r} 724 \\ \times 6 \\ \hline \end{array}$$

Rename as improper:

Y.
$$3\frac{2}{6} =$$

Ratios and Probability
Coach's Question Sheet

1. Read the problem aloud.
2. What 2 things are you comparing in this ratio problem?
3. Find the 2 numbers that correspond to those 2 things.
4. Write a ratio in the blank. (Be sure to write it the way the problem says to).

Ratios and Probability
Coach's Question Sheet

1. Read the problem aloud.
2. What do you need to find out?
3. Figure out the probability.
4. Write the answer as a fraction in lowest terms.

Ratios and Probability

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

Peter's Halloween bag had 10 candy bars, 12 lollipops, 15 pieces of bubble gum and 2 popcorn balls. Write the ratio of candy bars to lollipops, using the word "to." <u>10 to 12</u>	The petting zoo had 9 rabbits, 2 donkeys and 3 goats. Write the ratio of goats to rabbits as a fraction in lowest terms. $\frac{3}{9} = \frac{1}{3}$	Mrs. Gentry had 17 pencils, 42 paper clips, 4 rulers, and 36 rubber bands in her desk. Write the ratio of rulers to rubber bands, using a colon (:). <u>4: 36</u>
On the math test, 5 problems were multiplication, 7 were division, 10 were addition, and 9 were subtraction. Write the ratio of multiplication to addition problems as a fraction in lowest terms. $\frac{5}{10} = \frac{1}{2}$	Mr. Taylor bought 25 bananas, 15 apples, and 20 oranges for the school picnic. Write the ratio of apples to oranges, using a colon (:). <u>15: 20</u>	Clark scored 8 points, Dennis scored 4 points, and Jose scored 12 points during the basketball game. Write the ratio of Clark's points to Jose's points, using the word "to." <u>8 to 12</u>
Janice had 49 pennies, 12 quarters, 22 nickels, and 14 dimes in her piggy bank. Write the ratio of dimes to nickels, using a colon (:). <u>14:22</u>	Mrs. Roberts is ordering 5 pizzas, 30 drinks, and 60 cookies for the pizza party. Write the ratio of pizzas to drinks as a fraction in lowest terms. $\frac{5}{30} = \frac{1}{6}$	Tony has 5 white t-shirts, 3 blue t-shirts, 6 red t-shirts, and one yellow t-shirt. Write the ratio of blue to white t-shirts, using the word "to." <u>3 to 5</u>
For the class camping trip, we loaded the bus with 30 sleeping bags, 8 tents, 5 coolers and 2 kerosene lamps. Write the ratio of lamps to tents, using a colon (:). <u>2 : 8</u>	Nancy's cat had 6 kittens, Fred's cat had 4 kittens, and Christopher's cat had 8 kittens. Write the ratio of Fred's kittens to Nancy's kittens, using the word "to." <u>4 to 6</u>	Alecia counted 15 maple trees, 4 oak trees, 20 pine trees, and 12 elm trees on her hike today. Write the ratio of oak to pine trees as a fraction in the lowest terms. $\frac{4}{20} = \frac{1}{5}$

Ratios and Probability

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

In the parking lot at the mall, there were 32 cars, 15 trucks, and 12 vans. Write the ratio of vans to trucks, using a colon (:). <u>12:15</u>	Mrs. Turner grew 35 roses, 20 pansies, 7 irises, and 12 daffodils in her garden. Write the ratio of irises to roses as a fraction in lowest terms. $\frac{7}{35} = \frac{1}{5}$	The secretary picked up 12 turkey sandwiches, 10 roast beef sandwiches, 6 ham sandwiches, and 5 vegetarian sandwiches for the staff meeting. Write the ratio of ham to roast beef sandwiches using the word "to." <u>6 to 10</u>
In the kindergarten school play, 6 students wore ladybug costumes, 5 wore butterfly costumes, 7 wore bee costumes, and 4 wore turtle costumes. Write the ratio of ladybug to bee costumes, using the word "to." <u>6 to 7</u>	Leonard saw 13 monkeys, 5 giraffes, 32 birds, and 8 bears at the zoo. Write the ratio of bears to birds as a fraction in lowest terms. $\frac{8}{32} = \frac{1}{4}$	The Bishops drove through 4 states, 15 cities, and 36 towns during their summer trip. Write the ratio of states to cities, using a colon (:). <u>4:15</u>
There are 25 runners, 16 bicyclists, and 5 swimmers competing in races on Saturday. Write the ratio of swimmers to runners as a fraction in lowest terms. $\frac{5}{25} = \frac{1}{5}$	Students ordered 8 glasses of milk, 9 glasses of lemonade, 3 glasses of iced tea, and 6 glasses of juice at the restaurant. Write the ratio of glasses of juice to milk, using the word "to." <u>6 to 8</u>	At the pet store, there were 9 puppies, 12 kittens, 10 fish and 4 snakes. Write the ratio of snakes to kittens using a colon (:). <u>4:12</u>
28 girls wore black dresses, 16 wore red dresses, 8 wore blue dresses, and 12 wore white dresses to the dance. Write the ratio of blue to white dresses as a fraction in lowest terms. $\frac{8}{12} = \frac{2}{3}$	Shoppers at the sneaker shop bought 32 pairs of running shoes, 10 pairs of hiking boots, 41 pairs of walking shoes and 15 pairs of cross trainers over the weekend. Write the ratio of pairs of hiking boots to cross-trainers, using a colon (:). <u>10:15</u>	There were 25 teachers, 16 principals, and 21 professors at the conference. Write the ratio of principals to teachers, using the word "to." <u>16 to 25</u>

Ratios and Probability

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

You can win a teddy bear if you spin the number 3 on the big spinner at the carnival. The spinner has 10 numbers on it. What is the probability of the spinner stopping on 3?

$$\frac{1}{10}$$

Jonie bought 5 tickets for a door prize. A total of 200 tickets were sold. What is the probability that Jonie will win the door prize?

$$\frac{5}{200} = \frac{1}{40}$$

Steven and Bill flipped a coin to see who had to take out the garbage. If the coin landed on tails, Bill would take out the garbage. What is the probability of Steve taking out the garbage?

$$\frac{1}{2}$$

Lisa's mother bought a bag of lollipops. There are 10 grape lollipops, 4 orange lollipops, and 6 cherry lollipops in the bag. If Lisa closes her eyes and picks one lollipop out of the bag, what is the probability of her picking an orange lollipop?

$$\frac{4}{20} = \frac{1}{5}$$

Peggy and Rebecca are going to play chess. They decide that the first person to roll a 6 on the dice will go first. What is the probability of Peggy rolling a 6 on her first try?

$$\frac{1}{6}$$

During Linda's recess, Mr. Fernandez is going to pick 2 students to be captains of the teams for a game they are going to play. If there are 30 students, what is the probability of Linda being chosen as a captain?

$$\frac{2}{30} = \frac{1}{15}$$

Phillip has 3 black t-shirts, 4 yellow t-shirts, and 3 white t-shirts. If he picks a t-shirt out of his drawer without looking, what is the probability that he picks a white t-shirt?

$$\frac{3}{10}$$

James' mother is thinking of a number between 1 and 20. If James guesses the number on his first try, he gets to choose which restaurant they go to that night. What is the probability that he will guess the correct number on the first try?

$$\frac{1}{20}$$

Ratios and Probability

Coaching Answer Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

The first 5 students in Pamela's class who finish their science assignment get to go to lunch early. If there are 25 students in Pamela's class, what is the probability of Pamela going to lunch early?

$$\frac{5}{25} = \frac{1}{5}$$

Lloyd's Easter basket has 10 red jelly beans, 5 yellow jelly beans, and 20 pink jelly beans. If he reaches into the basket without looking, what is the probability that he picks a yellow jelly bean?

$$\frac{5}{35} = \frac{1}{7}$$

Nancy puts the letters in her name in a bag. What is the probability of Nancy drawing the letter N?

$$\frac{2}{5}$$

Rita asked Henry to bring her a can of juice from the refrigerator. If there are 3 cans of orange juice, 2 cans of apple juice, and 4 cans of grapefruit juice, what is the probability of Henry bringing Rita a can of orange juice?

$$\frac{3}{9} = \frac{1}{3}$$

Mr. Sampson writes the numbers 1 through 10 on separate flash cards and puts the flash cards in a hat. He asks Louis to draw a number out of the hat. What is the probability that Louis will draw the number 8?

$$\frac{1}{10}$$

There are 52 cards in a deck, and each deck has 4 aces in it. If Gerald draws a card from the deck, what is the probability of drawing an ace?

$$\frac{4}{52} = \frac{1}{13}$$

There are 12 girls and 13 boys in Mr. Johnson's third-grade class. If Mr. Johnson needs 8 girls and 8 boys to be in the class play, what is the probability that Sarah will be in the play?

$$\frac{8}{12} = \frac{2}{3}$$

Mrs. Rollins bought 30 tickets for her students. 10 tickets were for a movie, 8 tickets were for a puppet show, and 12 tickets were for the carnival. What is the probability of Cassie getting a ticket to the puppet show?

$$\frac{8}{30} = \frac{4}{15}$$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (2 points each)

- A. At the grocery store, Mrs. Fuller bought 3 loaves of bread, 5 frozen dinners, 4 boxes of cereal, and 2 milk cartons. Write the ratio of milk cartons to frozen dinners, using a colon (:).

- B. On Baker Street, there are 16 houses, 29 apartments, and 10 mobile homes. Write the ratio of houses to apartments using the word "to."

- C. Rick and Elaine went out to pick berries and came home with 43 strawberries, 29 blueberries, 25 raspberries, and 10 blackberries. Write the ratio of blackberries to raspberries as a fraction in lowest terms.

- D. Mr. Bowman's farm has 32 cows, 14 pigs, 8 sheep and 15 chickens. Write the ratio of pigs to chickens, using a colon (:).

- E. Vera baked 3 pies, 25 cookies, 2 cakes, and 24 brownies for the bake sale. Write the ratio of cakes to cookies, using the word "to."

Solve. (1 point each)

- F.
$$\begin{array}{r} 58125 \\ + 4373 \\ \hline \end{array}$$
- G. Reduce: $\frac{4}{20} =$
- H.
$$\begin{array}{r} 424 \\ \times 5 \\ \hline \end{array}$$
- I.
$$4 \overline{)631}$$
- J. Rename as improper: $5\frac{2}{3} =$
- K. Rename as mixed: $\frac{14}{9} =$
- L. $\frac{1}{5} + \frac{2}{5} =$
- M. $7 + 2\frac{5}{6} =$
- N.
$$\begin{array}{r} 94606 \\ - 5471 \\ \hline \end{array}$$
- O. Reduce: $\frac{3}{15} =$
- P.
$$6 \overline{)49}$$
- Q.
$$\begin{array}{r} 384 \\ \times 7 \\ \hline \end{array}$$
- R. $\frac{7}{9} - \frac{5}{9} =$
- S.
$$\begin{array}{r} 6104 \\ - 4905 \\ \hline \end{array}$$
- T. Reduce: $\frac{3}{18} =$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (2 points each)

- A. Mr. Fields donated 15 t-shirts, 6 pairs of pants, 8 dress shirts and 3 pairs of shoes to the clothing drive. Write the ratio of pairs of shoes to t-shirts as a fraction in lowest terms?

- B. Janice collected 22 acorns, 36 leaves, and 5 rocks for her art project. Write the ratio of rocks to leaves using the word "to."

- C. Louis listened to 5 rock songs, 6 rap songs, 2 jazz songs and 4 country songs on the radio one day. Write the ratio of jazz to rap songs, using a colon (:).

- D. Shawntel completed 14 geometry problems, 7 decimal problems, and 12 fraction problems for homework. Write the ratio of decimal to geometry problems as a fraction in lowest terms?

- E. Bob ate 3 cheeseburgers, 32 french fries, and 6 chicken nuggets for dinner. Write the ratio of chicken nuggets to french fries, using the word "to."?

Solve. (1 point each)

F.
$$\begin{array}{r} 49762 \\ + 5239 \\ \hline \end{array}$$

G. $\frac{2}{7} + \frac{3}{7} =$

H.
$$\begin{array}{r} 80731 \\ - 5478 \\ \hline \end{array}$$

I.
$$3 \overline{)284}$$

J.
$$6 \frac{6}{7} =$$
 Rename as improper:

K.
$$\begin{array}{r} 359 \\ \times 5 \\ \hline \end{array}$$

L.
$$\frac{5}{20} =$$
 Reduce:

M. $4 + 3 \frac{5}{8} =$

N.
$$\begin{array}{r} 424 \\ \times 7 \\ \hline \end{array}$$

O.
$$\frac{9}{18} =$$
 Reduce:

P.
$$6 \overline{)55}$$

Q.
$$\frac{14}{5} =$$
 Rename as mixed:

R. $\frac{3}{5} - \frac{1}{5} =$

S.
$$\begin{array}{r} 5643 \\ + 2709 \\ \hline \end{array}$$

T. $2 \frac{5}{8} + \frac{2}{8} =$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (3 points each)

- A. Mr. Lewis bought 8 boxes of cereal for his family. 2 of the boxes have prizes in them. What is the probability of his son picking one of the boxes with a prize in it?

- B. Jill has 10 American stamps, 20 French stamps, and 15 German stamps in her stamp collection. She decides to give one stamp to her little sister so her sister can start her own collection. What is the probability that Jill's sister will get a German stamp?

- C. Mrs. Peterson puts the numbers 1 through 10 in a bag and asks Lucy to draw a number. What is the probability of Lucy drawing an even number?

- D. When you flip a coin, what is the probability of getting heads?

Solve. (1 point each)

E. $8\frac{2}{7} - 5 =$

F. $\frac{3}{5} + \frac{1}{5} =$

G.
$$\begin{array}{r} 65032 \\ - 4691 \\ \hline \end{array}$$

H.
$$4 \overline{)367}$$

Rename as improper:

I. $4\frac{3}{4} =$

J.
$$\begin{array}{r} 420 \\ \times 8 \\ \hline \end{array}$$

K.
$$\begin{array}{r} 81693 \\ + 9258 \\ \hline \end{array}$$

Rename as mixed:

L. $\frac{16}{5} =$

M.
$$7 \overline{)44}$$

N. $\frac{2}{3} - \frac{1}{3} =$

Reduce:

O. $\frac{4}{16} =$

Rename as mixed:

P. $\frac{20}{9} =$

Q.
$$\begin{array}{r} 27455 \\ + 4118 \\ \hline \end{array}$$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (3 points each)

- A. Shel bought 20 raffle tickets from Penny. If Penny sold 100 raffle tickets, what is the probability of Shel winning the raffle?

- B. Mr. Nelson put 4 pennies, 5 dimes, 2 quarters, and 4 nickels in a bag. What is the probability of his son drawing a dime out of the bag?

- C. Ellen and Joanne are playing a board game with a spinner that has the numbers 1 through 6 on it. What is the probability of spinning a 6 each time?

- D. Mrs. Nelson has 4 lipsticks in her purse. One is red, one is pink, one is rose, and one is rust. If she reaches into her purse to get a lipstick what is the probability of getting the rose lipstick?

Solve. (1 point each)

E. $9\frac{3}{8} - 4 =$ F. $\frac{2}{9} + \frac{5}{9} =$ G. $\begin{array}{r} 24807 \\ - 6354 \\ \hline \end{array}$ H. $5 \overline{)421}$ I. $\begin{array}{r} 38663 \\ + 2185 \\ \hline \end{array}$

J. $\begin{array}{r} 72166 \\ + 7924 \\ \hline \end{array}$ K. $\frac{12}{5} =$ L. $8 \overline{)57}$ M. $\frac{3}{7} - \frac{1}{7} =$ N. $\frac{3}{18} =$

Rename as mixed:

O. $\frac{16}{7} =$

P. $\begin{array}{r} 650 \\ \times 4 \\ \hline \end{array}$

Rename as improper:

Q. $7\frac{2}{3} =$

Ratio and Probability

Practice Answer Sheet

Day 1					Day 2				
A. 2 : 5 B. 16 to 29 C. 2/5 D. 14 : 15 E. 2 to 25					A. 1/5 B. 5 to 36 C. 2 : 6 D. 1/2 E. 6 to 32				
F. 62,498	G. 1/5	H. 2,120	I. 157r3	J. 17/3	F. 55,001	G. 5/7	H. 75,253	I. 94r2	J. 48/7
K. 1 5/9	L. 3/5	M. 9 5/6	N. 89,135	O. 1/5	K. 1,795	L. 1/4	M. 7 5/8	N. 2,968	O. 1/2
P. 8r1	Q. 2,688	R. 2/9	S. 1,199	T. 1/6	P. 9r1	Q. 2 4/5	R. 2/5	S. 8,352	T. 2 7/8

Day 3					Day 4				
A. 1/4 B. 1/3 C. 1/2 D. 1/2					A. 1/5 B. 1/3 C. 1/6 D. 1/4				
E. 3 2/7	F. 4/5	G. 60,341	H. 91r3	I. 19/4	E. 5 3/8	F. 7/9	G. 18,453	H. 84r1	I. 40,848
J. 3,360	K. 90,951	L. 3 1/5	M. 6r2	N. 1/3	J. 80,090	K. 2 2/5	L. 7r1	M. 2/7	N. 1/6
	O. 1/4	P. 2 2/9	Q. 31,573			O. 2 2/7	P. 2,600	Q. 23/3	

Ratios and Probability

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

Peter's Halloween bag had 10 candy bars, 12 lollipops, 15 pieces of bubble gum and 2 popcorn balls. Write the ratio of candy bars to lollipops, using the word "to."

The petting zoo had 9 rabbits, 2 donkeys and 3 goats. Write the ratio of goats to rabbits as a fraction in lowest terms.

Mrs. Gentry had 17 pencils, 42 paper clips, 4 rulers, and 36 rubber bands in her desk. Write the ratio of rulers to rubber bands, using a colon (:).



On the math test, 5 problems were multiplication, 7 were division, 10 were addition, and 9 were subtraction. Write the ratio of multiplication to addition problems as a fraction in lowest terms.

Mr. Taylor bought 25 bananas, 15 apples, and 20 oranges for the school picnic. Write the ratio of apples to oranges, using a colon (:).

Clark scored 8 points, Dennis scored 4 points, and Jose scored 12 points during the basketball game. Write the ratio of Clark's points to Jose's points, using the word "to."



Janice had 49 pennies, 12 quarters, 22 nickels, and 14 dimes in her piggy bank. Write the ratio of dimes to nickels, using a colon (:).

Mrs. Roberts is ordering 5 pizzas, 30 drinks, and 60 cookies for the pizza party. Write the ratio of pizzas to drinks as a fraction in lowest terms.

Tony has 5 white t-shirts, 3 blue t-shirts, 6 red t-shirts, and one yellow t-shirt. Write the ratio of blue to white t-shirts, using the word "to."



For the class camping trip, we loaded the bus with 30 sleeping bags, 8 tents, 5 coolers and 2 kerosene lamps. Write the ratio of lamps to tents, using a colon (:).

Nancy's cat had 6 kittens, Fred's cat had 4 kittens, and Christopher's cat had 8 kittens. Write the ratio of Fred's kittens to Nancy's kittens, using the word "to."

Alecia counted 15 maple trees, 4 oak trees, 20 pine trees, and 12 elm trees on her hike today. Write the ratio of oak to pine trees as a fraction in the lowest terms.

Ratios and Probability

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

In the parking lot at the mall, there were 32 cars, 15 trucks, and 12 vans. Write the ratio of vans to trucks, using a colon (:). _____	Mrs. Turner grew 35 roses, 20 pansies, 7 irises, and 12 daffodils in her garden. Write the ratio of irises to roses as a fraction in lowest terms. _____	The secretary picked up 12 turkey sandwiches, 10 roast beef sandwiches, 6 ham sandwiches, and 5 vegetarian sandwiches for the staff meeting. Write the ratio of ham to roast beef sandwiches using the word "to." _____
In the kindergarten school play, 6 students wore ladybug costumes, 5 wore butterfly costumes, 7 wore bee costumes, and 4 wore turtle costumes. Write the ratio of ladybug to bee costumes, using the word "to." _____	Leonard saw 13 monkeys, 5 giraffes, 32 birds, and 8 bears at the zoo. Write the ratio of bears to birds as a fraction in lowest terms. _____	The Bishops drove through 4 states, 15 cities, and 36 towns during their summer trip. Write the ratio of states to cities, using a colon (:). _____
 There are 25 runners, 16 bicyclists, and 5 swimmers competing in races on Saturday. Write the ratio of swimmers to runners as a fraction in lowest terms. _____	Students ordered 8 glasses of milk, 9 glasses of lemonade, 3 glasses of iced tea, and 6 glasses of juice at the restaurant. Write the ratio of glasses of juice to milk, using the word "to." _____	At the pet store, there were 9 puppies, 12 kittens, 10 fish and 4 snakes. Write the ratio of snakes to kittens using a colon (:). _____
28 girls wore black dresses, 16 wore red dresses, 8 wore blue dresses, and 12 wore white dresses to the dance. Write the ratio of blue to white dresses as a fraction in lowest terms. _____	Shoppers at the sneaker shop bought 32 pairs of running shoes, 10 pairs of hiking boots, 41 pairs of walking shoes and 15 pairs of cross trainers over the weekend. Write the ratio of pairs of hiking boots to cross-trainers, using a colon (:). _____	There were 25 teachers, 16 principals, and 21 professors at the conference. Write the ratio of principals to teachers, using the word "to." _____



Ratios and Probability

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

You can win a teddy bear if you spin the number 3 on the big spinner at the carnival. The spinner has 10 numbers on it. What is the probability of the spinner stopping on 3?

Jonie bought 5 tickets for a door prize. A total of 200 tickets were sold. What is the probability that Jonie will win the door prize?



Steven and Bill flipped a coin to see who had to take out the garbage. If the coin landed on tails, Bill would take out the garbage. What is the probability of Steve taking out the garbage?

Lisa's mother bought a bag of lollipops. There are 10 grape lollipops, 4 orange lollipops, and 6 cherry lollipops in the bag. If Lisa closes her eyes and picks one lollipop out of the bag, what is the probability of her picking an orange lollipop?



Peggy and Rebecca are going to play chess. They decide that the first person to roll a 6 on the dice will go first. What is the probability of Peggy rolling a 6 on her first try?

During Linda's recess, Mr. Fernandez is going to pick 2 students to be captains of the teams for a game they are going to play. If there are 30 students, what is the probability of Linda being chosen as a captain?



Phillip has 3 black t-shirts, 4 yellow t-shirts, and 3 white t-shirts. If he picks a t-shirt out of his drawer without looking, what is the probability that he picks a white t-shirt?

James' mother is thinking of a number between 1 and 20. If James guesses the number on his first try, he gets to choose which restaurant they go to that night. What is the probability that he will guess the correct number on the first try?

Ratios and Probability

Coaching Sheet

Player's Name _____

Date _____

Coach's Name _____

Write the ratio in the blank.

The first 5 students in Pamela's class who finish their science assignment get to go to lunch early. If there are 25 students in Pamela's class, what is the probability of Pamela going to lunch early?

Lloyd's Easter basket has 10 red jelly beans, 5 yellow jelly beans, and 20 pink jelly beans. If he reaches into the basket without looking, what is the probability that he picks a yellow jelly bean?



Nancy puts the letters in her name in a bag. What is the probability of Nancy drawing the letter N?

Rita asked Henry to bring her a can of juice from the refrigerator. If there are 3 cans of orange juice, 2 cans of apple juice, and 4 cans of grapefruit juice, what is the probability of Henry bringing Rita a can of orange juice?



Mr. Sampson writes the numbers 1 through 10 on separate flash cards and puts the flash cards in a hat. He asks Louis to draw a number out of the hat. What is the probability that Louis will draw the number 8?

There are 52 cards in a deck, and each deck has 4 aces in it. If Gerald draws a card from the deck, what is the probability of drawing an ace?



There are 12 girls and 13 boys in Mr. Johnson's third-grade class. If Mr. Johnson needs 8 girls and 8 boys to be in the class play, what is the probability that Sarah will be in the play?

Mrs. Rollins bought 30 tickets for her students. 10 tickets were for a movie, 8 tickets were for a puppet show, and 12 tickets were for the carnival. What is the probability of Cassie getting a ticket to the puppet show?

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (2 points each)

- A. At the grocery store, Mrs. Fuller bought 3 loaves of bread, 5 frozen dinners, 4 boxes of cereal, and 2 milk cartons. Write the ratio of milk cartons to frozen dinners, using a colon (:).

- B. On Baker Street, there are 16 houses, 29 apartments, and 10 mobile homes. Write the ratio of houses to apartments using the word "to."

- C. Rick and Elaine went out to pick berries and came home with 43 strawberries, 29 blueberries, 25 raspberries, and 10 blackberries. Write the ratio of blackberries to raspberries as a fraction in lowest terms.

- D. Mr. Bowman's farm has 32 cows, 14 pigs, 8 sheep and 15 chickens. Write the ratio of pigs to chickens, using a colon (:).

- E. Vera baked 3 pies, 25 cookies, 2 cakes, and 24 brownies for the bake sale. Write the ratio of cakes to cookies, using the word "to."

Solve. (1 point each)

	Reduce:			Rename as improper:
F. $\begin{array}{r} 58125 \\ + 4373 \\ \hline \end{array}$	G. $\frac{4}{20} =$	H. $\begin{array}{r} 424 \\ \times 5 \\ \hline \end{array}$	I. $4 \overline{)631}$	J. $5\frac{2}{3} =$

Rename as mixed:				Reduce:
K. $\frac{14}{9} =$	L. $\frac{1}{5} + \frac{2}{5} =$	M. $7 + 2\frac{5}{6} =$	N. $\begin{array}{r} 94606 \\ - 5471 \\ \hline \end{array}$	O. $\frac{3}{15} =$

				Reduce:
P. $6 \overline{)49}$	Q. $\begin{array}{r} 384 \\ \times 7 \\ \hline \end{array}$	R. $\frac{7}{9} - \frac{5}{9} =$	S. $\begin{array}{r} 6104 \\ - 4905 \\ \hline \end{array}$	T. $\frac{3}{18} =$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (2 points each)

- A. Mr. Fields donated 15 t-shirts, 6 pairs of pants, 8 dress shirts and 3 pairs of shoes to the clothing drive. Write the ratio of pairs of shoes to t-shirts as a fraction in lowest terms?

- B. Janice collected 22 acorns, 36 leaves, and 5 rocks for her art project. Write the ratio of rocks to leaves using the word "to."

- C. Louis listened to 5 rock songs, 6 rap songs, 2 jazz songs and 4 country songs on the radio one day. Write the ratio of jazz to rap songs, using a colon (:).

- D. Shawntel completed 14 geometry problems, 7 decimal problems, and 12 fraction problems for homework. Write the ratio of decimal to geometry problems as a fraction in lowest terms?

- E. Bob ate 3 cheeseburgers, 32 french fries, and 6 chicken nuggets for dinner. Write the ratio of chicken nuggets to french fries, using the word "to."?

Solve. (1 point each)

F.
$$\begin{array}{r} 49762 \\ + 5239 \\ \hline \end{array}$$

G. $\frac{2}{7} + \frac{3}{7} =$

H.
$$\begin{array}{r} 80731 \\ - 5478 \\ \hline \end{array}$$

I.
$$3 \overline{)284}$$

J.
$$6 \frac{6}{7} =$$
 Rename as improper:

K.
$$\begin{array}{r} 359 \\ \times 5 \\ \hline \end{array}$$

L.
$$\frac{5}{20} =$$
 Reduce:

M. $4 + 3\frac{5}{8} =$

N.
$$\begin{array}{r} 424 \\ \times 7 \\ \hline \end{array}$$

O.
$$\frac{9}{18} =$$
 Reduce:

P.
$$6 \overline{)55}$$

Q.
$$\frac{14}{5} =$$
 Rename as mixed:

R. $\frac{3}{5} - \frac{1}{5} =$

S.
$$\begin{array}{r} 5643 \\ + 2709 \\ \hline \end{array}$$

T. $2\frac{5}{8} + \frac{2}{8} =$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (3 points each)

- A. Mr. Lewis bought 8 boxes of cereal for his family. 2 of the boxes have prizes in them. What is the probability of his son picking one of the boxes with a prize in it?

- B. Jill has 10 American stamps, 20 French stamps, and 15 German stamps in her stamp collection. She decides to give one stamp to her little sister so her sister can start her own collection. What is the probability that Jill's sister will get a German stamp?

- C. Mrs. Peterson puts the numbers 1 through 10 in a bag and asks Lucy to draw a number. What is the probability of Lucy drawing an even number?

- D. When you flip a coin, what is the probability of getting heads?

Solve. (1 point each)

E. $8\frac{2}{7} - 5 =$

F. $\frac{3}{5} + \frac{1}{5} =$

G.
$$\begin{array}{r} 65032 \\ - 4691 \\ \hline \end{array}$$

H.
$$4 \overline{)367}$$

Rename as improper:

I. $4\frac{3}{4} =$

J.
$$\begin{array}{r} 420 \\ \times 8 \\ \hline \end{array}$$

K.
$$\begin{array}{r} 81693 \\ + 9258 \\ \hline \end{array}$$

Rename as mixed:

L. $\frac{16}{5} =$

M.
$$7 \overline{)44}$$

N. $\frac{2}{3} - \frac{1}{3} =$

Reduce:

O. $\frac{4}{16} =$

Rename as mixed:

P. $\frac{20}{9} =$

Q.
$$\begin{array}{r} 27455 \\ + 4118 \\ \hline \end{array}$$

Ratios and Probability

Practice Sheet

Name _____

Date _____

Scored by _____

Solve. (3 points each)

- A. Shel bought 20 raffle tickets from Penny. If Penny sold 100 raffle tickets, what is the probability of Shel winning the raffle?

- B. Mr. Nelson put 4 pennies, 5 dimes, 2 quarters, and 4 nickels in a bag. What is the probability of his son drawing a dime out of the bag?

- C. Ellen and Joanne are playing a board game with a spinner that has the numbers 1 through 6 on it. What is the probability of spinning a 6 each time?

- D. Mrs. Nelson has 4 lipsticks in her purse. One is red, one is pink, one is rose, and one is rust. If she reaches into her purse to get a lipstick what is the probability of getting the rose lipstick?

Solve. (1 point each)

E. $9\frac{3}{8} - 4 =$ F. $\frac{2}{9} + \frac{5}{9} =$ G. $\begin{array}{r} 24807 \\ - 6354 \\ \hline \end{array}$ H. $5 \overline{)421}$ I. $\begin{array}{r} 38663 \\ + 2185 \\ \hline \end{array}$

J. $\begin{array}{r} 72166 \\ + 7924 \\ \hline \end{array}$ K. $\frac{12}{5} =$ L. $8 \overline{)57}$ M. $\frac{3}{7} - \frac{1}{7} =$ N. $\frac{3}{18} =$

Rename as mixed:

O. $\frac{16}{7} =$

P. $\begin{array}{r} 650 \\ \times 4 \\ \hline \end{array}$

Rename as improper:

Q. $7\frac{2}{3} =$