PROBLEM QUEST WORKED EXAMPLES

The following includes worked examples of *Compare Word Problems*, *Proportion Word Problems* and *Splitting Word Problems* taught throughout the program, using the respective word problem cards. This is not an exhaustive list. The first lesson each word problem type is introduced is marked on the left-hand side of each worked example. "Handwriting" font represents teacher/student work. Please see appropriate lesson for the full script and worked example for each problem type.

Compare Word Problem

Lesson 11

C

For Luke's birthday, Lindsey bought a large chocolate cake. Lindsey ate $\frac{4}{6}$ of the cake. Luke ate $\frac{3}{10}$ of the cake. Who ate more cake?

G

Lindsey | Luke

L1 | L1

$\frac{4}{6}$ $\frac{3}{6}$ > $\frac{5}{10}$ $\frac{3}{10}$

G$\frac{1}{2}$ | L$\frac{1}{2}$

Lindsey ate more cake

Compare Word Problem [Order]

Lesson 14

C

Daniel spends $\frac{1}{6}$ of his allowance on comic books, $\frac{1}{3}$ on baseball cards, and $\frac{1}{2}$ on video games. On which item did he spend the most money?

G

Comic books | Baseball cards | Video games

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

L | | G

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

He spent the most money on video games

Proportion Word Problem

Lesson 19

P

At the Nashville Zoo, $\frac{1}{4}$ of the monkeys are brown. If there are 20 monkeys, how many brown monkeys are there?

$\frac{1}{4} \overset{\times 5}{=} \frac{5}{20}$ (×5) — brown monkeys / all monkeys

5 brown monkeys

Proportion Word Problem [extra step]

Lesson 25

P

Carmelda is playing games at the Nashville Arcade. She has 50 tokens and uses $\frac{2}{5}$ of her tokens on Saturday. On Sunday, she uses 5 more tokens. How many tokens did Carmelda use on Saturday and Sunday?

Saturday

$\frac{2}{5} \overset{\times 10}{=} \frac{20}{50}$ — used tokens / all tokens

Saturday and Sunday

5 + 20 = 25

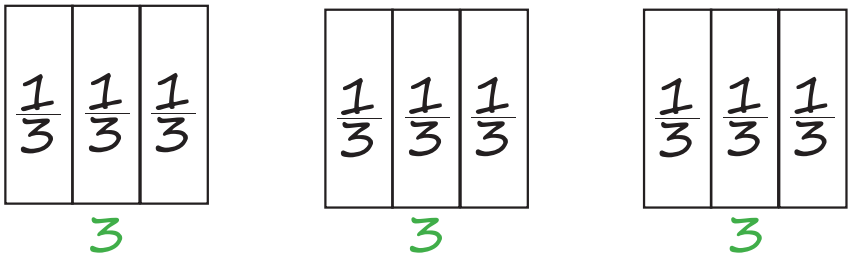
25 tokens used on Saturday and Sunday

Splitting Word Problem

Lesson 22

S

Josie has three chocolate bars. She cuts each chocolate bar into thirds. How many pieces of chocolate bar does she have?



3×3 → 9 pieces of chocolate bar