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**

For Luke's birthday, Lindsey bought a large chocolate cake. Lindsey ate \( \frac{4}{6} \) of the cake. Luke ate \( \frac{5}{10} \) of the cake. Who ate more cake?

\[
\begin{align*}
\text{Lindsey} & \quad \frac{4}{6} \\
\text{Luke} & \quad \frac{5}{10}
\end{align*}
\]

\( \frac{4}{6} > \frac{5}{10} \)

Lindsey ate more cake

**Compare Word Problem [Order]**

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?

\[
\begin{align*}
\text{Comic books} & \quad \frac{1}{6} \\
\text{Baseball cards} & \quad \frac{1}{3} \\
\text{Video games} & \quad \frac{1}{2}
\end{align*}
\]

\( \frac{1}{6} < \frac{1}{3} < \frac{1}{2} \)

He spent the most money on video games
At the Nashville Zoo, \( \frac{1}{4} \) of the monkeys are brown. If there are 20 monkeys, how many brown monkeys are there?

\[
\frac{1}{4} = \frac{5}{20}
\]

\( 5 \) brown monkeys

Carmelia 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?

\[
\frac{2}{5} = \frac{20}{50}
\]

\( 25 \) tokens used on Saturday and Sunday

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

\( 3 \times 3 \Rightarrow 9 \) pieces of chocolate bar