Solve the word problems using the RDW strategy. Show all of your work.

1. George weeded \( \frac{2}{3} \) of the garden, and Summer weeded some, too. When they were finished, \( \frac{2}{5} \) of the garden still needed to be weeded. What fraction of the garden did Summer weed?

   \[
   \frac{2}{5} + \frac{2}{15} + ? = 1 \]

   \[
   \frac{3}{15} + ? = \frac{15}{15}
   \]

   \[
   ? = \frac{2}{15}
   \]

   Summer weeded \( \frac{2}{15} \) of the garden.

2. Jing spent \( \frac{1}{3} \) of her money on a pack of pens, \( \frac{1}{2} \) of her money on a pack of markers, and \( \frac{1}{8} \) of her money on a pack of pencils. What fraction of her money is left?

   \[
   \frac{1}{3} = \frac{1 \times 8}{3 \times 8} = \frac{8}{24}
   \]

   \[
   \frac{1}{2} = \frac{1 \times 12}{2 \times 12} = \frac{12}{24}
   \]

   \[
   \frac{1}{8} = \frac{1 \times 3}{8 \times 3} = \frac{3}{24}
   \]

   \[
   \frac{8}{24} + \frac{12}{24} + \frac{3}{24} + ? = \frac{24}{24}
   \]

   \[
   ? = \frac{1}{24}
   \]

   \( \frac{1}{24} \) of her money is left.

3. Shelby bought a 2-ounce tube of blue paint. She used \( \frac{2}{3} \) ounce to paint the water, \( \frac{3}{5} \) ounce to paint the sky, and some to paint a flag. After that she has \( \frac{2}{15} \) ounce left. How much paint did Shelby use to paint her flag?

   \[
   \frac{2}{3} = \frac{2 \times 5}{3 \times 5} = \frac{10}{15}
   \]

   \[
   \frac{3}{5} = \frac{3 \times 3}{5 \times 3} = \frac{9}{15}
   \]

   \[
   \frac{2}{15} + \frac{10}{15} + \frac{9}{15} + ? + \frac{2}{15} = \frac{30}{15}
   \]

   \[
   \frac{19}{15} + ? = \frac{30}{15}
   \]

   \[
   \frac{21}{15} + ? = \frac{30}{15}
   \]

   Shelby used \( \frac{9}{15} \) ounce or \( \frac{3}{5} \) ounce to paint the flag.

   \[
   \frac{30}{15} - \frac{21}{15} = \frac{9}{15}
   \]

   \[
   \frac{9}{15} = \frac{3}{5}
   \]
4. Jim sold $\frac{3}{4}$ gallon of lemonade. Dwight sold some lemonade, too. Together, they sold $1\frac{5}{12}$ gallons. Who sold more lemonade, Jim or Dwight? How much more?

\[
\text{Lemonade} \quad \begin{array}{c|c|c}
\text{Jim} & \frac{3}{4} \text{ gallon} & \frac{5}{12} \\
\text{Dwight} & ? & \frac{5}{12}
\end{array}
\]

\[
\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}
\]

\[
\frac{9}{12} + ? = \frac{17}{12}
\]

\[
? = \frac{8}{12}
\]

Jim sold more lemonade, because he sold $\frac{3}{4}$ gallon or $\frac{9}{12}$ gallon and Dwight sold $\frac{8}{12}$ gallon. Jim sold $\frac{1}{12}$ gallon more than Dwight.

5. Leonard spent $\frac{1}{4}$ of his money on a sandwich. He spent 2 times as much on a gift for his brother as on some comic books. He had $\frac{2}{8}$ of his money left. What fraction of his money did he spend on the comic books?

\[
\text{money} \quad \begin{array}{c|c|c|c|c|c|c|c|c|c|c|c|c|c}
\text{S} & \frac{2}{8} & \text{CB Left} & \frac{1}{4} & \frac{1}{8} & \frac{1}{8} & \frac{2}{8}
\end{array}
\]

\[
\frac{2}{8} + \frac{3}{8} + ? + ? + ? = \frac{8}{8}
\]

\[
\frac{5}{8} + ? + ? + ? = \frac{8}{8}
\]

\[
? + ? + ? = \frac{3}{8}
\]

Leonard spent $\frac{1}{8}$ of his money on comic books.