1. Draw and label a tape diagram to show the following are true.
   a. \(8\) thirds = \(4 \times (2\) thirds\) = \(4 \times 2\) thirds

   \[
   \begin{array}{cccccccc}
   \frac{1}{3} & \frac{1}{3} & \frac{1}{3} & \frac{1}{3} & \frac{1}{3} & \frac{1}{3} & \frac{1}{3} & \frac{1}{3} \\
   \end{array}
   \]
   \[
   \text{thirds} \quad \text{thirds} \quad \text{thirds} \quad \text{thirds}
   \]

   b. \(15\) eighths = \(3 \times (5\) eighths\) = \(3 \times 5\) eighths

   \[
   \begin{array}{cccccccccccccccc}
   \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} & \frac{1}{8} \\
   \end{array}
   \]
   \[
   \text{eighths} \quad \text{eighths} \quad \text{eighths} \quad \text{eighths} \quad \text{eighths} \quad \text{eighths}
   \]

2. Write the expression in unit form to solve.
   a. \(10 \times \frac{2}{5} = \frac{20}{5}\)

   \[
   10 \times 2 \text{ fifths} = \text{twenty fifths}
   \]

   b. \(3 \times \frac{5}{6} = \frac{15}{6}\)

   \[
   3 \times 5 \text{ sixths} = 15 \text{ sixths}
   \]

   c. \(9 \times \frac{4}{9} = \frac{36}{9}\)

   \[
   9 \times 4 \text{ ninths} = 36 \text{ ninths}
   \]

   d. \(7 \times \frac{3}{4} = \frac{21}{4}\)

   \[
   7 \times \text{three fourths} = 21 \text{ fourths}
   \]
3. Solve.
   a. \(6 \times \frac{3}{4} = \frac{6 \times 3}{4} = \frac{18}{4} = \frac{18}{4}\)
   b. \(7 \times \frac{5}{8} = \frac{7 \times 5}{8} = \frac{35}{8}\)
   c. \(13 \times \frac{2}{3} = \frac{13 \times 2}{3} = \frac{26}{3}\)
   d. \(18 \times \frac{2}{3} = \frac{18 \times 2}{3} = \frac{36}{3}\)
   e. \(14 \times \frac{7}{10} = \frac{14 \times 7}{10} = \frac{98}{10} = \frac{98}{10}\)
   f. \(7 \times \frac{14}{100} = \frac{7 \times 14}{100} = \frac{98}{100}\)

4. Mrs. Smith bought some orange juice. Each member of her family drank \(\frac{2}{3}\) cup for breakfast. There are five people in her family. How many cups of orange juice did they drink?

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