1. Kim and Courtney share a 16-ounce box of cereal. By the end of the week, Kim has eaten \( \frac{3}{8} \) of the box, and Courtney has eaten \( \frac{1}{4} \) of the box of cereal. What fraction of the box is left?

\[
\frac{6}{8} - \frac{3}{8} = \frac{5}{8}
\]

\[
\frac{5}{8} - \frac{1}{4} = \frac{5}{8} - \frac{2}{8} = \frac{3}{8}
\]

2. Mathilde has 20 pints of green paint. She uses \( \frac{2}{5} \) of it to paint a landscape and \( \frac{3}{10} \) of it while painting a clover. She decides that, for her next painting, she will need 14 pints of green paint. How much more paint will she need to buy?

\[
20 \div 10 = 2
\]

She has 6 pints remaining.

\[
14 - 6 = 8
\]

She needs 8 more pints of paint.
3. Jack, Jill, and Bill each carried a 48-ounce bucket full of water down the hill. By the time they reached the bottom, Jack's bucket was only $\frac{3}{4}$ full, Jill's was $\frac{2}{3}$ full, and Bill's was $\frac{1}{6}$ full. How much water did they spill altogether on their way down the hill?

- Jack: $12 \times 48 = 480$ oz, $48 \div 4 = 12$ oz spill
- Jill: $16 \times 48 = 768$ oz, $48 \div 3 = 16$ oz spill
- Bill: $8 \times 48 = 384$ oz, $48 \div 6 = 8$ oz spill

They spilled $68$ oz of water altogether.

4. Mrs. Diaz makes 5 dozen cookies for her class. One-ninth of her 27 students are absent the day she brings the cookies. If she shares the cookies equally among the students who are present, how many cookies will each student get?

- 5 dozen cookies = 60 cookies
- 27 - (27/9) = 24 students
- $\frac{24}{24} = 1$ cookie per student

Each student can receive $\frac{1}{2}$ cookie.

5. Create a story problem about a fish tank for the tape diagram below. Your story must include a fraction.

Example:

There were 84 fish swimming in a fish tank. $\frac{1}{3}$ of the fish were goldfish. $\frac{2}{5}$ of the fish helped keep the tank clean. The remaining fish were goldfish. How many fish were goldfish?