1. A total of 2 yards of fabric is used to make 5 identical pillows. How much fabric is used for each pillow?

\[ \frac{2 \text{ yd}}{5 \text{ units}} = \frac{2}{5} \text{ yd per unit} \]

1 pillow needs \( \frac{2}{5} \) yards of fabric.

2. An ice-cream shop uses 4 pints of ice cream to make 6 sundaes. How many pints of ice cream are used for each sundae?

\[ \frac{4 \text{ pt}}{6 \text{ units}} = \frac{2}{3} \text{ pt per unit} \]

1 sundae takes \( \frac{2}{3} \) pints of ice cream.

3. An ice-cream shop uses 6 bananas to make 4 identical sundaes. How many bananas are used in each sundae? Use a tape diagram to show your work.

\[ \frac{6 \text{ ban}}{4 \text{ units}} = \frac{3}{2} \text{ ban per unit} \]

1 sundae uses \( \frac{3}{2} \) bananas.
4. Julian has to read 4 articles for school. He has 8 nights to read them. He decides to read the same number of articles each night.

a. How many articles will he have to read per night?

He'll need to read ½ an article each night.

b. What fraction of the reading assignment will he read each night?

Since he is reading each of the 8 nights, he is completing ¼ of his assignment each night.

5. 40 students shared 5 pizzas equally. How much pizza will each student receive? What fraction of the pizza did each student receive?

Each student gets ⅕ or ⅕ of a pizza.

6. Lillian had 2 two-liter bottles of soda, which she distributed equally between 10 glasses.

a. How much soda was in each glass? Express your answer as a fraction of a liter.

Each glass gets ⅕ or ⅕ liters of soda.
b. Express your answer as a decimal number of liters.

\[ \frac{4}{10} = 4 \text{ tenths} = 0.4 \]

Each glass has 0.4 liters.

c. Express your answer as a whole number of milliliters.

\[ 1 \text{ liter} = 1,000 \text{ mL} \quad 0.4 \text{ L} = 400 \text{ mL} \]

\[ 0.4 \times 1,000 = 400 \]

Each glass has 400 mL.

7. The Calef family likes to paddle along the Susquehanna River.

a. They paddled the same distance each day over the course of 3 days, traveling a total of 14 miles. How many miles did they travel each day? Show your thinking in a tape diagram.

They travel \(4 \frac{2}{3}\) mi each day.

b. If the Calefs went half their daily distance each day, but extended their trip to twice as many days, how far would they travel?

They would still travel 14 miles total.