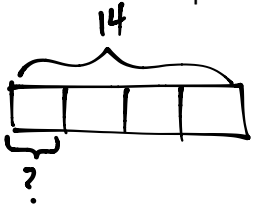
Name _____ Date _____

1. When someone donated 14 gallons of paint to Rosendale Elementary School, the fifth grade decided to use it to paint murals. They split the gallons equally among the four classes.

   a. How much paint did each class have to paint their mural?

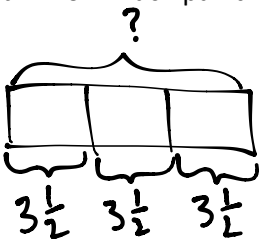


$14 \div 4 = \frac{14}{4} = 3\frac{2}{4} = 3\frac{1}{2}$

$4\overline{)14}$ $3\frac{2}{4} = 3\frac{1}{2}$
-12
2

Each class had $3\frac{1}{2}$ gallons of paint.

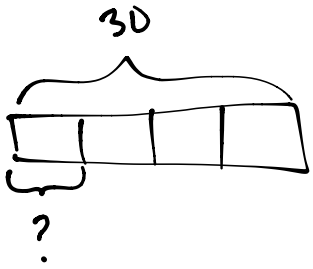
   b. How much paint will three classes use? Show your thinking using words, numbers, or pictures.



$3 \times 3\frac{1}{2} = 3\frac{1}{2} + 3\frac{1}{2} + 3\frac{1}{2}$
$= 9 + \frac{3}{2}$
$= 9 + 1\frac{1}{2} = 10\frac{1}{2}$

Three classes will use $10\frac{1}{2}$ gallons of paint.

   c. If 4 students share a 30 square foot wall equally, how many square feet of the wall will be painted by each student?



$30 \div 4 = \frac{30}{4} = 7\frac{2}{4} = 7\frac{1}{2}$

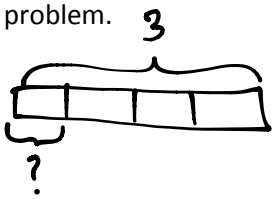
$4\overline{)30}$ $7\frac{2}{4} = 7\frac{1}{2}$
-28
2

Each student will paint $7\frac{1}{2}$ square feet of the wall.

   d. What fraction of the wall will each student paint?

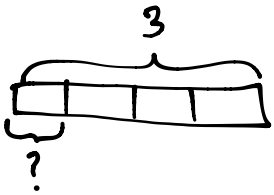
Each student painted $\frac{1}{4}$ of the wall.

2. Craig bought a 3-foot long baguette, and then made 4 equally sized sandwiches with it.
   a. What portion of the baguette was used for each sandwich? Draw a visual model to help you solve this problem.



Each sandwich uses $\frac{1}{4}$ of the baguette.

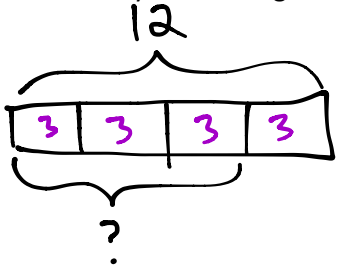
   b. How long, in feet, is one of Craig's sandwiches?



$3 \div 4 = \frac{3}{4}$

One sandwich is $\frac{3}{4}$ foot long.

   c. How many inches long is one of Craig's sandwiches?



$12 \div 4 = 3$

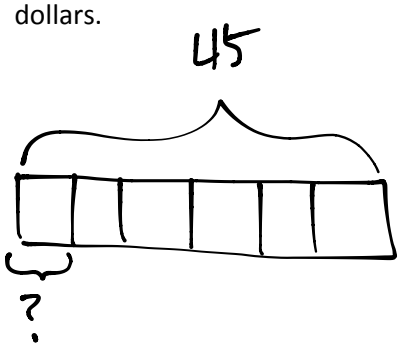
$3 \times 3 = 9$

One unit is 3 inches.

3 units equals 9 inches.

1 sandwich is 9 inches long.

3. Scott has 6 days to save enough money for a $45 concert ticket. If he saves the same amount each day, what is the minimum amount he must save each day in order to reach his goal? Express your answer in dollars.



$45 \div 6 = \frac{45}{6} = 7\frac{3}{6} = 7\frac{1}{2}$

$$\begin{array}{r} 7\frac{3}{6} = 7\frac{1}{2} \\ 6\overline{)45} \\ -42 \\ \hline 3 \end{array}$$

Scott must save $\$7\frac{1}{2}$ each day.

$\$7\frac{1}{2} = \$7.50$