

Unit Review

- 1 In a community garden, Alex paints $\frac{1}{12}$ of the fence and Bobby paints $\frac{3}{12}$ of the fence. Charles paints the rest of the fence. What fraction of the fence does Charles paint?

- (A) $\frac{1}{12}$
 (B) $\frac{3}{12}$
 (C) $\frac{4}{12}$
 (D) $\frac{8}{12}$

- 2 Which equations are true? Choose all the correct answers.

- (A) $5\frac{4}{5} - 2\frac{3}{5} = 3\frac{1}{5}$ (B) $2\frac{7}{8} + 2\frac{2}{8} = 4\frac{9}{16}$
 (C) $6\frac{6}{12} - 3\frac{5}{12} = 3\frac{11}{12}$ (D) $9\frac{2}{10} + 2\frac{1}{10} = 11\frac{3}{10}$
 (E) $10\frac{5}{6} - 5\frac{3}{6} = 5\frac{1}{6}$ (F) $2\frac{1}{3} + 1\frac{1}{3} = 3\frac{2}{3}$

- 3 Fill in the missing numbers to find a fraction that is equivalent to $\frac{3}{5}$.

Write the answers in the boxes.

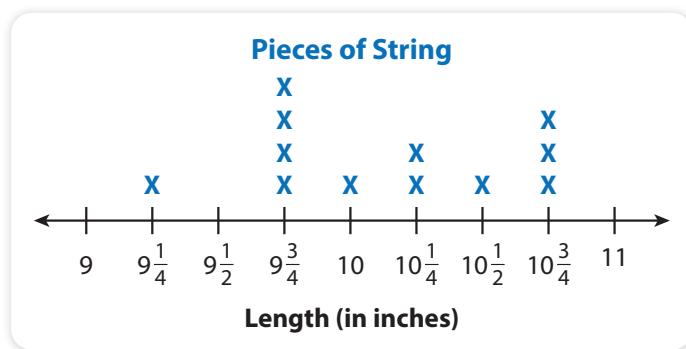
$$\frac{3}{5} = \frac{3 \times 2}{5 \times \square} = \frac{\square}{\square}$$

- 4 Zorana measures $\frac{1}{2}$ of a foot of string for a science activity. She needs 7 pieces of string with that same length.

Write and solve a multiplication equation that Zorana can use to find the total length of string that she needs.

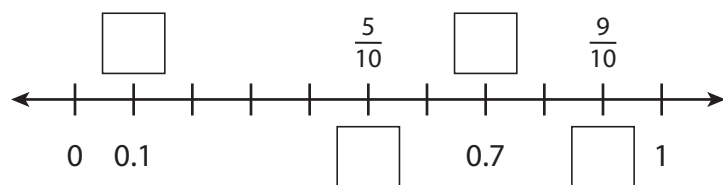
Solution Zorana needs feet of string.

- 5 Emilio cuts 12 pieces of string for a craft project. He measures each piece and records the information in a line plot.
- Emilio attaches the 4 pieces of string that are the same length. What is the total length, in inches, of those 4 pieces of string? Show your work.



Solution

- 6 The number line below shows one whole divided into tenths. Write numbers in the boxes to label the missing fractions and decimals.



- 7 Laura rows her boat 1.3 kilometers. Daniel rows his boat 1.25 kilometers. Annabelle rows farther than Daniel, but not as far as Laura. How many kilometers could Annabelle have rowed? Show your work.

..... kilometers

Performance Task

Answer the questions and show all your work on separate paper. Use the Math Reference Sheet, as necessary.

Ciara is using the recipe below to make 6 dozen cupcakes for a family party. She needs to buy flour, milk, and vanilla. Ciara also needs to buy boxes to carry the cupcakes to the party. Each box holds one layer of cupcakes. Ciara has \$25 to spend. Does she have enough money to buy everything she needs to make the cupcakes and bring them to the party? Explain how you know.

Checklist

Did you ...

- organize the information?
- draw a diagram?
- use words and numbers in your explanation?



RECIPE Ciara's Vanilla Cupcakes
makes 1 dozen cupcakes 3 inches across

256 grams flour	200 grams sugar
1 teaspoon baking soda	4 eggs
5 tablespoons butter	5 milliliters vanilla
$\frac{1}{2}$ cup milk	

Below are the products Ciara needs to buy and their prices.



\$2.50



\$2.00



\$8.50



\$1.00

REFLECT

Use Mathematical Practices After you complete the task, choose one of the following questions to answer.

- **Model** What equations did you use to help you solve this problem?
- **Be Precise** Why is it important to use labels for all of the amounts while you are solving this problem?