ST Math
Summer Immersion
Grade 4 | Quiz

Module 1 Pre-Quiz

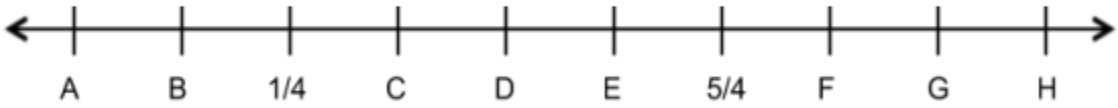
Name: _____ Date: _____

1. Circle the fraction that is closer to $\frac{1}{2}$ in each pair of fractions.

$\frac{1}{4}$ or $\frac{2}{4}$ $\frac{1}{6}$ or $\frac{4}{6}$

$\frac{5}{8}$ or $\frac{2}{8}$ $\frac{1}{3}$ or $\frac{1}{4}$

2. Write the letter next to each number to show where it goes on the number line.



1 _____

$\frac{1}{2}$ _____

0 _____

2 _____

$1\frac{1}{2}$ _____

$\frac{6}{3}$ _____

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Module 1 Post-Quiz

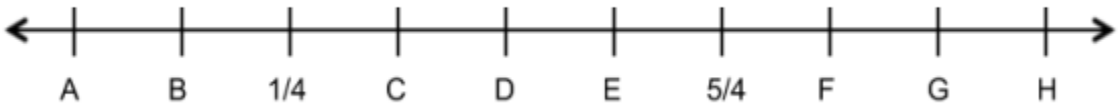
Name: _____ Date: _____

1. Circle the fraction that is closer to $\frac{1}{2}$ in each pair of fractions.

$\frac{3}{8}$ or $\frac{4}{8}$ $\frac{2}{6}$ or $\frac{5}{6}$

$\frac{8}{10}$ or $\frac{5}{8}$ $\frac{1}{3}$ or $\frac{1}{4}$

2. Write the letter next to each number to show where it goes on the number line.



0 _____

$\frac{3}{4}$ _____

1 _____

2 _____

$1\frac{1}{4}$ _____

$\frac{4}{4}$ _____

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Module 2 Pre-Quiz

Name: _____ Date: _____

1. Osmar, Anthony, and Reyland each had a large pizza. Osmar cut his pizza into eighths and ate $\frac{6}{8}$ of the pizza. Anthony cut his pizza into fourths and ate $\frac{3}{4}$ of the pizza. Reyland cut his pizza into sixths and ate $\frac{2}{6}$ of the pizza.

   a. Which boy ate the least amount of pizza?

   b. Did any of the boys eat the same amount of pizza? If so, who? Explain how you know.

2. Draw a number line. Use dots to show the location of these fractions and labels.

$\frac{4}{6}$ $\frac{1}{3}$ $\frac{2}{8}$ $\frac{1}{2}$ $\frac{4}{12}$ $\frac{5}{10}$ $\frac{2}{3}$

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Module 2 Post-Quiz

Name: _____ Date: _____

1. Sidney, Raven, and Jayla were making bracelets. Each girl used purple, white, and pink beads to make their bracelet. Sidney's bracelet had 12 beads and $\frac{3}{12}$ of her bracelet was purple. Raven's bracelet had 8 beads and $\frac{6}{8}$ of her bracelet was purple. Jayla's bracelet had 10 beads and $\frac{2}{10}$ of her bracelet was purple.

   a. Which girl used the least amount of purple beads?

   b. Did any of the girls use the same number of purple beads? If so, who? Explain how you know.

2. Draw a number line. Use dots to show the location of these fractions and labels.

$$\frac{6}{12} \quad \frac{2}{10} \quad \frac{1}{4} \quad \frac{2}{6} \quad \frac{1}{2} \quad \frac{3}{12} \quad \frac{2}{3}$$

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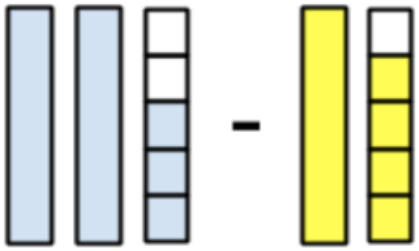
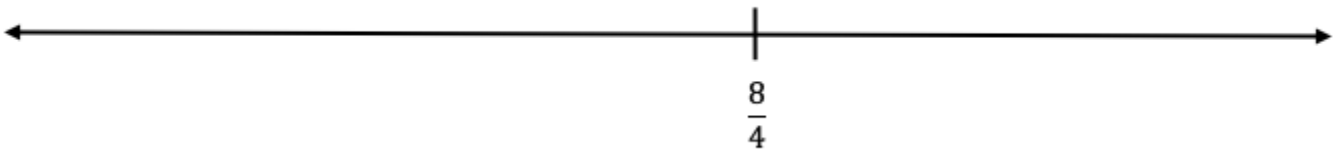
Module 3 Pre-Quiz

Name: _____ Date: _____

1. Marti said that the answer to this subtraction problem is $1\frac{1}{5}$. What error do you think Marti made? What would you say to Marti to help her understand the solution to this problem? Use a number line and write an equation to show the solution.



2. Use the plotted point on this number line to locate $\frac{1}{2} + 1\frac{3}{4}$



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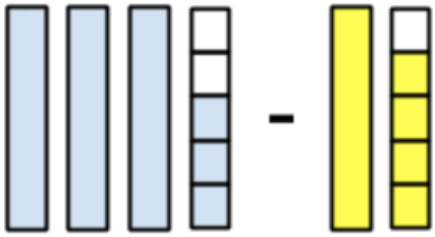
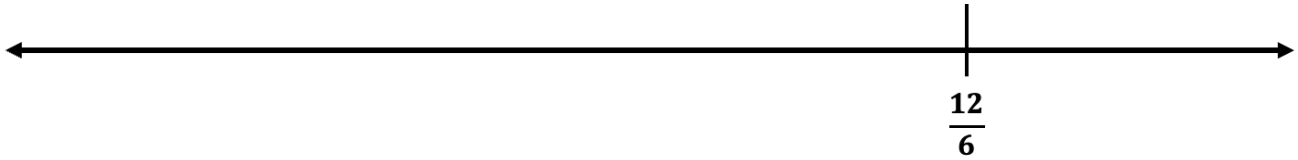
Module 3 Post-Quiz

Name: _____ Date: _____

1. Marti said that the answer to this subtraction problem is $2\frac{1}{5}$. What error do you think Marti made? What would you say to Marti to help her understand the solution to this problem? Use a number line and write an equation to show the solution.



2. Use the plotted point on this number line to locate $\frac{1}{2} + 1\frac{5}{6}$



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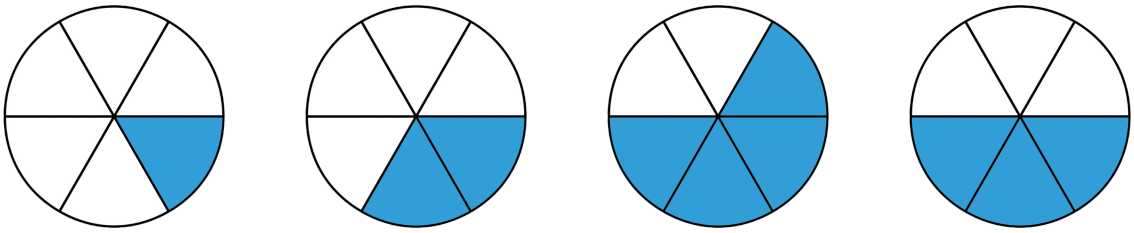
Module 4 Pre-Quiz

Name: _____ Date: _____

1. Logan likes to run on the track. She runs $1\frac{1}{4}$ miles on Monday and Tuesday. She ran $\frac{3}{4}$ miles on Wednesday. How many miles did Logan run in all? Write an equation to show how you got your answer.

2. Write an expression to represent the model below and solve.



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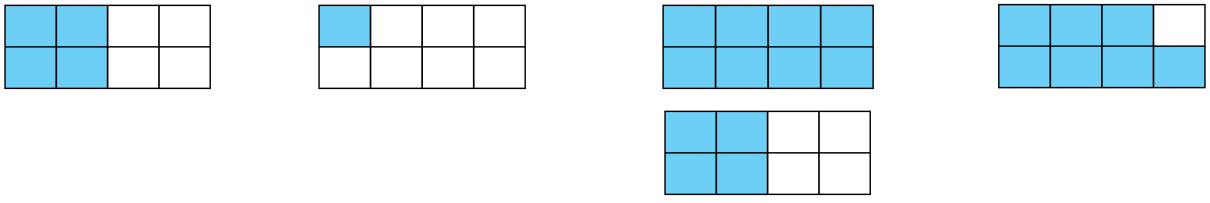
Module 4 Post-Quiz

Name: _____ Date: _____

1. Brian takes his dog on a walk three times a week. Brian and his dog walked $1\frac{2}{3}$ miles on Monday and Tuesday. On Wednesday they walked $\frac{4}{3}$ mile. How many miles did Brian and his dog walk in all? Write an equation to show how you got your answer.

2. Write an expression to represent the model below and solve.



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Module 5 Pre-Quiz

Name: _____ Date: _____

1. Naomi and Reily were racing around the block. Naomi ran around the block with a time of 9.67 minutes. Reily's time was 9.4 minutes. Who was faster? How do you know?

2. Compare. Write >, <, or = in the box.

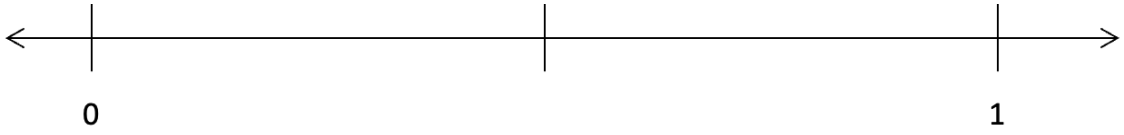
$\frac{3}{10}$ ☐ 0.3

0.72 ☐ 0.75

$\frac{4}{100}$ ☐ 0.4

$\frac{63}{100}$ ☐ $\frac{6}{10}$

3. Place a point on the number line for each of the following decimals and label the point. A) 0.75, B) 0.33, and C) 0.55



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Module 5 Post-Quiz

Name: _____ Date: _____

1. Arman's house is 0.8 miles from school. Mateo's house is 0.75 miles from school. Who lives closer to school? How do you know?

2. Compare. Write >, <, or = in the box.

$\frac{7}{100}$ ☐ 0.7

0.33 ☐ 0.39

0.6 ☐ $\frac{6}{10}$

$\frac{44}{100}$ ☐ $\frac{4}{10}$

3. Place a point on the number line for each of the following decimals and label the point. A) 0.25, B) 0.6, and C) 0.98