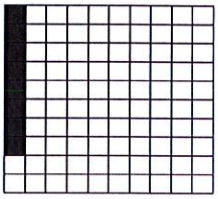
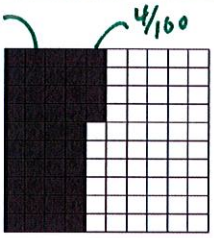
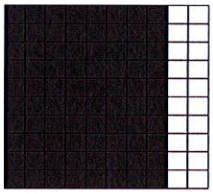
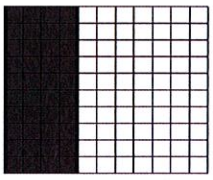
Name _____ NC.4.NF.6 CFA (Cluster 7)

1. Gayle rode her bike $\frac{4}{100}$ of a mile on Monday and $\frac{4}{10}$ of a mile on Tuesday. Which decimal grid shows how far she rode Monday and Tuesday?

a. 

b. 4/10 4/100 

c. 

d. 

2. Webb filled a bucket $\frac{8}{10}$ of the way with sand for his sand castle. He decided that it was too much sand so he then poured out $\frac{1}{10}$ of the sand. How much sand remains in the bucket?

$\frac{8}{10} - \frac{1}{10} = \frac{7}{10}$

a. $\frac{9}{10}$

b. $\frac{7}{10}$

c. $\frac{9}{20}$

d. $\frac{7}{0}$

3. The model below represents the sum of two fractions.

$\frac{7}{10} = \frac{70}{100}$

Which two fractions have a sum that could be represented by this model?

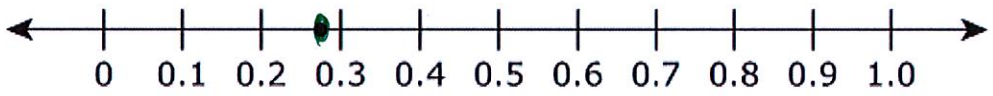
a. $\frac{6}{100} + \frac{1}{10}$

b. $\frac{60}{100} + \frac{1}{10}$ $= \frac{60}{100} + \frac{10}{100} = \frac{70}{100}$

c. $\frac{1}{100} + \frac{6}{10}$

d. $\frac{60}{100} + \frac{10}{10}$

4. Mark rode his bike a distance that is shown by the point on the number line below.



Which fraction represents the distance that Mark rode his bike?

a. $\frac{27}{27} = 1$

b. $\frac{27}{10} = 2.7$

c. $\frac{27}{100} = 0.27$

d. $\frac{27}{1} = 27$

5. Find the sum for this addition problem.

$$\frac{3}{10} + \frac{27}{100} = s$$

a. 3.27

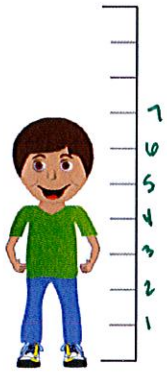
b. 0.327

c. 5.7

d. 0.57

$\frac{30}{100} + \frac{27}{100} = \frac{57}{100} = 0.57$

6. Jose is working on a project with his partner where he needs to have a large piece of paper at least the height of his partner. Each line represents $\frac{1}{10}$ of a meter.



$\frac{7}{10} = 0.7$

Which number represents the height of Jose's partner?

a. 0.7 meter
b. 0.07 meter
c. 7 meters
d. 90 meters

7. On a school track team, for a relay race, the first runner ran $\frac{3}{10}$ of the way and the second runner ran $\frac{41}{100}$ of the race. What is the fraction that represents the total distance that the two runners ran?

$\frac{3}{10} + \frac{41}{100}$

$\frac{30}{100} + \frac{41}{100} = \frac{71}{100}$

a. $\frac{44}{100}$
b. $\frac{44}{110}$
c. $\frac{71}{110}$
d. $\frac{71}{100}$

8. As the teacher was grading a test, she saw that a student added $\frac{1}{10}$ and $\frac{78}{100}$ to get the sum of $\frac{79}{100}$. What should the correct answer be?

$\frac{10}{100} + \frac{78}{100} = \frac{88}{100}$

a. That is the correct answer.
b. $\frac{88}{100}$
c. $8\frac{8}{10}$
d. $\frac{78}{10}$

9. Charlotte is training to run a marathon. On the first day, Charlotte ran $\frac{3}{10}$ of a mile. Which number has the same value as $\frac{3}{10}$?

   a. 30.0
   b. 3.10
   c. 0.30
   d. 0.03

$\frac{3}{10} = \frac{30}{100}$

10. Two friends are having a friendly debate about a math problem. The first problem they solved was $\frac{3}{10} + \frac{4}{100}$. The answer was $\frac{34}{100}$. The second problem that they solved was $\frac{3}{100} + \frac{4}{10}$. One friend said that the answer changed and the other said that it did not. Which statement is true?

   a. The answer did not change, it is still $\frac{34}{100}$.
   b. The answer changed to $\frac{340}{100}$.
   c. The answer changed to $\frac{43}{100}$.
   d. The answer changed to $\frac{430}{100}$.

$\frac{30}{100} + \frac{4}{100} = \frac{34}{100}$

$\frac{3}{100} + \frac{40}{100} = \frac{43}{100}$