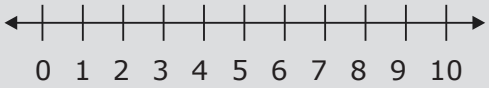
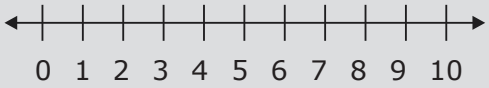
Warm–Up

Directions: Plot the following numbers on the number line.

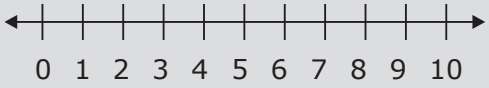
1. 3



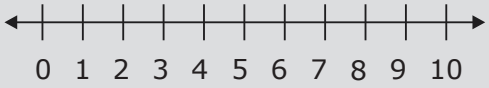
2. 5



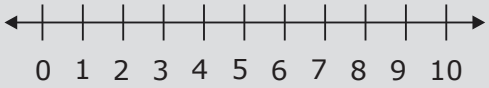
3. 8



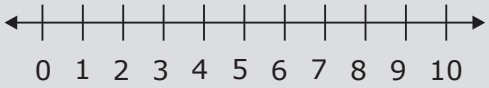
4. 6



5. 0



6. 10



LESSON 17: Fractions on a Number Line

Directions: Complete the following SOLVE problem with your teacher. You will only complete the S step.

Jeff is plotting the progress of the participants in a 1-mile fun run on a number line. Alexis is $\frac{1}{3}$ of a mile from the starting line. Her friend, Julie, is $\frac{1}{2}$ of a mile from the starting line. How will Jeff represent Alexis' location on a number line?

S Underline the question.
This problem is asking me to find _____

_____.

Directions: Complete this page with your teacher and partner.

Fraction	Fraction Strips	Number of Parts in the Whole Unit
$\frac{1}{2}$	1 Unit	
$\frac{1}{4}$	1 Unit	
$\frac{1}{3}$	1 Unit	
$\frac{1}{6}$	1 Unit	

Directions: Complete this page with your teacher and partner.

1. $\frac{1}{2}$

2. $\frac{1}{4}$

3. $\frac{1}{3}$

4. $\frac{1}{6}$

LESSON 17: Fractions on a Number Line

Directions: Complete this page with your teacher and partner.

1. $\frac{5}{6}$

2. $\frac{2}{4}$

3. $\frac{7}{8}$

4. $\frac{2}{2}$

5. $\frac{2}{3}$

Directions: Complete the following SOLVE problem with your teacher.

Jeff is plotting the progress of the participants in a 1-mile fun run on a number line. Alexis is $\frac{1}{3}$ of a mile from the starting line. Her friend, Julie, is $\frac{1}{2}$ of a mile from the starting line. How will Jeff represent Alexis' location on a number line?

S Underline the question.
This problem is asking me to find _____

_____.

O Identify the facts.
Eliminate the unnecessary facts.
List the necessary facts.

L Choose an operation or operations.
Write in words what your plan of action will be.

V Estimate your answer.
Carry out your plan.

E Does your answer make sense? (Compare your answer to the question.)

Is your answer reasonable? (Compare your answer to the estimate.)

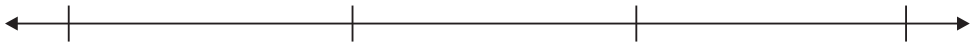
Is your answer accurate? (Check your work.)

Write your answer in a complete sentence.

LESSON 17: Fractions on a Number Line

Directions: Draw and plot the following fractions on the number lines.

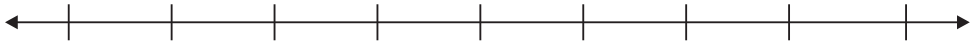
1. $\frac{3}{3}$



2. $\frac{3}{8}$

3. $\frac{4}{6}$

4. $\frac{1}{8}$



Directions: Answer the following questions about fractional relationships.

5. In the fraction $\frac{5}{8}$, the 8 is the _____ and the 5 is the _____.

6. In the fraction $\frac{2}{3}$, the ___ represents the number of parts on the number line between 0 and 1.

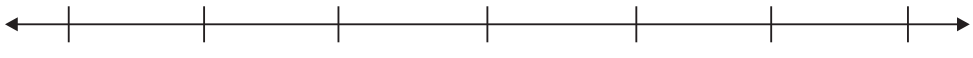
7. If a number line is divided into 4 sections between 0 and 1, each section has an interval of ___.

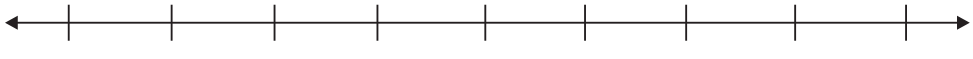
8. If a number line is divided into intervals of $\frac{1}{6}$, how many sections are between 0 and 1? ___

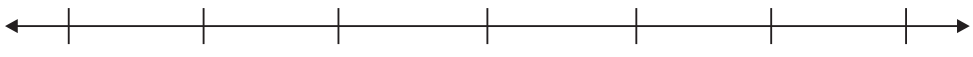
Homework

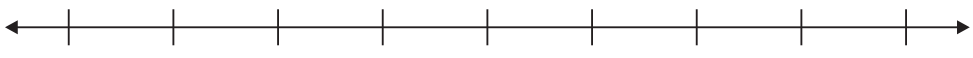
Name _____ **Date** _____

Directions: Draw and plot the following fractions on the number lines.

1. $\frac{3}{6}$ 

2. $\frac{6}{8}$ 

3. $\frac{4}{6}$ 

4. $\frac{5}{8}$ 

Directions: Answer the following questions about fractional relationships.

5. In the fraction $\frac{4}{6}$, the 6 is the _____ and the 4 is the _____

6. In the fraction $\frac{1}{2}$, the __ represents the number of parts on the number line between 0 and 1.

7. If a number line is divided into 3 sections between 0 and 1, each section has an interval of __.

8. If a number line is divided into intervals of $\frac{1}{8}$, how many sections are between 0 and 1? __