Reteaching 10-3



## Rational Numbers on a Number Line

When comparing and ordering rational numbers on a number line, it helps to change all of the numbers to fractions and mixed numbers or to decimals.

How do you compare rational numbers?

Compare  $-1.3\overline{3}$  and  $-\frac{9}{5}$ .

Convert  $-\frac{9}{5}$  to a decimal so that both numbers are in the same form.  $-\frac{9}{5} = -9 \div 5 = -1.8$ 

Place the numbers on a number line.



## How do you order rational numbers?

Order 0.3,  $-\frac{5}{6}$  and  $\frac{5}{8}$  from least to greatest.

Convert 0.3 to a fraction so that all of the numbers are in the same form.

$$0.3 = \frac{3}{10}$$

Place the numbers on a number line.



 $\frac{3}{10}$  is to the right of  $-\frac{5}{6}$  and  $\frac{5}{8}$  is to the right of 0.3.

So, the numbers in order from least to greatest are  $-\frac{5}{6}$ , 0.3,  $\frac{5}{8}$ .

Write < or > in the circle.



**10. Reasoning** The rainfall in a city was  $-\frac{3}{8}$  in. below average in June and -0.45 in. below average in July. Which month is closest to the average?