

Name \_\_\_\_\_

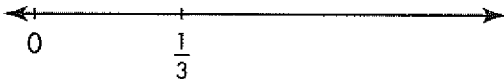


## Lesson 10-1

### Meanings of Fractions

Complete each number line to show about where the given fraction is located. Tell how you decided.

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



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



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



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



TEKS 4.3A Represent a fraction  $\frac{a}{b}$  as a sum of fractions  $\frac{1}{b}$ , where  $a$  and  $b$  are whole numbers and  $b > 0$ , including when  $a > b$ .  
Mathematical Process Standards 4.1A, 4.1C, 4.1D, 4.1E

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You can use number sense to think about the whole and equal parts.



### Look Back!

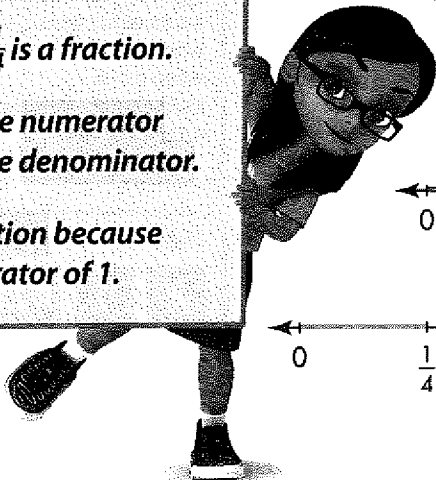
Create and Use Representations If you know where  $\frac{1}{3}$  is on the number line, what would you do to find 1 whole unit?

A fraction is a symbol used to name a part of a whole, a part of a set, or a location on a number line.

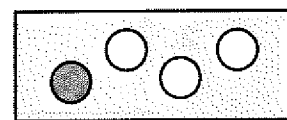
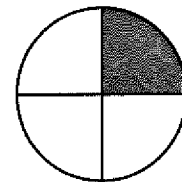
For example,  $\frac{1}{4}$  is a fraction.

In  $\frac{1}{4}$ , the 1 is the numerator and the 4 is the denominator.

$\frac{1}{4}$  is a unit fraction because it has a numerator of 1.



Each model is one whole. Each is divided into 4 equal parts. Each shaded part is  $\frac{1}{4}$  of the whole.



What does the fraction  $\frac{5}{8}$  mean?

This distance is  $\frac{1}{8}$ .



5 copies of  $\frac{1}{8}$  is  $\frac{5}{8}$ .

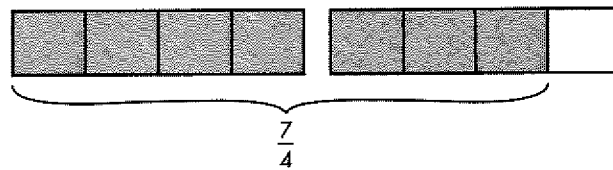


$$\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} = \frac{5}{8}$$

What does the fraction  $\frac{7}{4}$  mean?

4 copies of  $\frac{1}{4}$  make 1 whole.

7 copies of  $\frac{1}{4}$  is  $\frac{7}{4}$ .



$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{7}{4}$$

## Do You Understand?

Convince Me! Park Su said, "The distance from 0 to A is greater than the distance from 0 to B." Karina said, "Yes, but both point A and point B show  $\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{1}{10} = \frac{5}{10}$ ." Is Karina correct? Explain.

