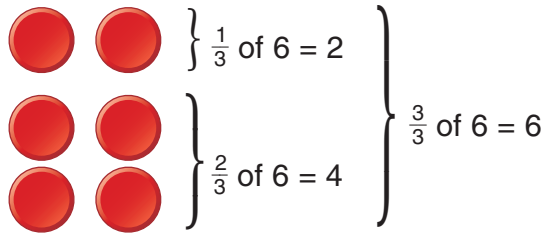


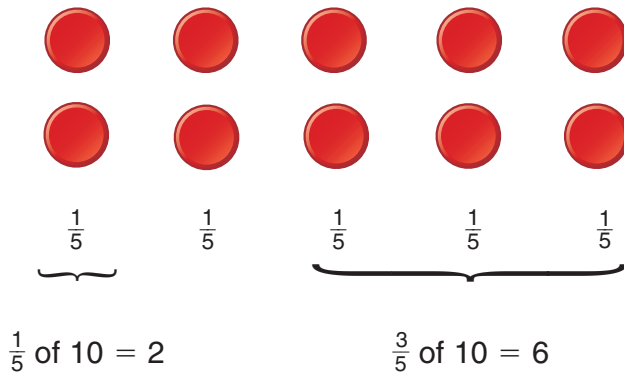
## Connect

Fractions can show equal parts of a set.



Here is a way to find  $\frac{3}{5}$  of 10.

The denominator tells us we are counting fifths. Divide 10 counters into 5 equal groups to show fifths.



## Practice

Use counters in questions 1 to 3.  
Find the fraction of each set.

- a)  $\frac{1}{4}$  of 8      b)  $\frac{2}{4}$  of 8      c)  $\frac{3}{4}$  of 8
- a)  $\frac{1}{3}$  of 12      b)  $\frac{2}{3}$  of 12      c)  $\frac{3}{3}$  of 12
- a)  $\frac{2}{8}$  of 16      b)  $\frac{4}{10}$  of 20      c)  $\frac{3}{6}$  of 12
4. Draw a picture to show the fraction of each set.

a)  $\frac{2}{5}$  of 10      b)  $\frac{3}{4}$  of 16      c)  $\frac{5}{5}$  of 10
5. Find:

a)  $\frac{1}{2}$  of 10      b)  $\frac{3}{4}$  of 12      c)  $\frac{1}{5}$  of 5
6. Print the name of the town or region where you live.  
Use fractions to describe the letters in the name.



7. The pie shop sold 16 pies.  
One-half of them were apple pies.  
One-fourth of them were blueberry pies.  
How many pies were not apple or blueberry?  
Show your work.

8. 5 is  $\frac{1}{4}$  of a set.  
How many are in the set?

9. There are 10 boys in a class.  
Two-fifths of the class are boys.  
How many students are in the class?  
How do you know?



10. When is  $\frac{1}{2}$  of a set less than  $\frac{1}{3}$  of another set?  
When is it more?  
Draw pictures to show your ideas.

11. When is  $\frac{1}{4}$  of a group of children *not* equal to  $\frac{1}{4}$  of another group of children?  
Use pictures, numbers, and words to explain your thinking.

### Reflect

When might you want to find a fraction of a set outside the classroom?