## Multiplication: Fraction of a Whole



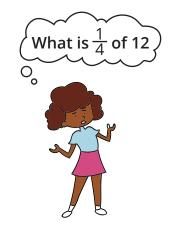
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**ANSWERS** 

Use multiplication to find the fractions of the whole numbers below.

## **EXAMPLE** Find a fraction of a whole number:



1. Multiply the whole number by the numerator.

$$12 \times \frac{1}{4} = \frac{12}{4}$$

2. Divide by the denominator to simplify.

$$12 \div 4 = 3$$

$$3 \text{ is}$$

$$\frac{1}{4} \text{ of } 12$$

a. 
$$\frac{2}{5}$$
 of 15

6

b. 
$$\frac{1}{4}$$
 of 20

c. 
$$\frac{5}{6}$$
 of 30

25

d. 
$$\frac{3}{4}$$
 of 28

21

e. 
$$\frac{1}{3}$$
 of 24

8

f. 
$$\frac{4}{7}$$
 of 42

f. 
$$\frac{4}{7}$$
 of 42

24

g. Kimmy baked 54 cookies for her family reunion.  $\frac{5}{9}$  of the cookies are chocolate chip and the rest are peanut butter. How many chocolate chip cookies did Kimmy make?

## 30 chocolate chip cookies

h. There are 32 students in Ms. Jones' 5th grade class. Today,  $\frac{3}{8}$  of the students are reading Wonder and  $\frac{1}{4}$  of the students are reading Smile. How many students are reading each book?

12 students are reading Wonder 8 students are reading Smile