



# Multiplication: Fraction of a Whole

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

|   |  |   |
|---|--|---|
| <p>EXAMPLE<br/>Find a fraction of a whole number:</p> <p>What is <math>\frac{1}{4}</math> of 12</p>  | <p>1. Multiply the whole number by the numerator.</p> $12 \times \frac{1}{4} = \frac{12}{4}$ | <p>2. Divide by the denominator to simplify.</p> $12 \div 4 = 3$ <p>3 is <math>\frac{1}{4}</math> of 12</p>  |
|---|--|---|

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

6

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

5

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

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