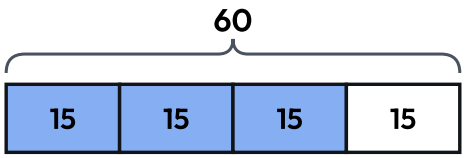
Name _____ Date _____

Multiplying a Whole Number by a Fraction

Example



$\frac{3}{4} \times 60$ means $\frac{3}{4}$ of 60.

60 ÷ 4 = 15, and three parts are 3 × 15 = 45.

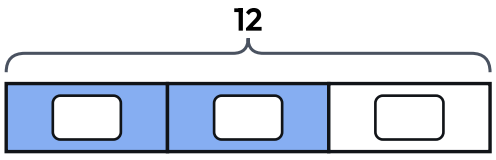
$$\frac{3}{4} \times 60 = \frac{3}{4} \text{ of } 60 = \frac{3 \times 60}{4} = 45$$

Remember

A fraction times a number is **a fraction of the number**: $\frac{3}{4} \times 60 = \frac{3}{4}$ of 60. Multiply the number by the numerator; the denominator stays.

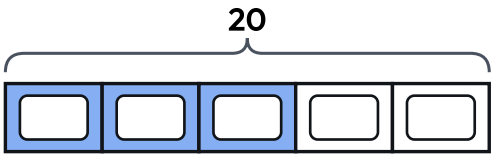
1 ON YOUR OWN Write the value of each part and work it out.

a)



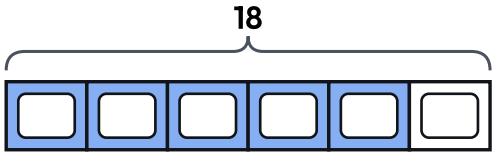
$\frac{2}{3} \times 12 = \frac{2}{3}$ of $12 = \square$

b)



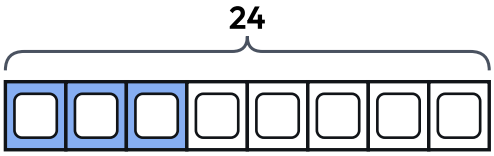
$\frac{3}{5} \times 20 = \frac{3}{5}$ of $20 = \square$

c)



$\frac{5}{6} \times 18 = \frac{5}{6}$ of $18 = \square$

d)



$\frac{3}{8} \times 24 = \frac{3}{8}$ of $24 = \square$

3 ON YOUR OWN Work it out.

$\frac{2}{5} \times 35 = \frac{\square}{5} = \square$

$28 \times \frac{3}{4} = \frac{\square}{4} = \square$

$\frac{7}{10} \times 60 = \frac{\square}{10} = \square$

$27 \times \frac{4}{9} = \frac{\square}{9} = \square$

Names (pair) _____ Date _____

2 IN PAIRS In the app choose **Fraction of a set**. Set the number of objects and plates (the denominator) and select plates (the numerator). One student builds, the other writes.

Product	Plates	On each plate	Selected	Answer
$\frac{2}{5} \times 30$	☐	☐	☐	☐
$\frac{3}{4} \times 20$	☐	☐	☐	☐
$\frac{5}{8} \times 40$	☐	☐	☐	☐
$\frac{4}{7} \times 28$	☐	☐	☐	☐

The Set of Objects app · otooly.com/set-of-objects

The number of objects on the selected plates is the product.

4 IN A GROUP **Stories.** Read, write the product and work it out. Each member of the group explains one story.

There are 32 pupils in a class. $\frac{3}{8}$ of them come to school by bike. How many pupils come by bike?

Answer: _____

The way to school is 1200 m long. Marta has walked $\frac{2}{3}$ of the way. How far is left?

Answer: _____

A T-shirt cost 40 euros. In the sale it costs $\frac{4}{5}$ of the old price. What is the new price?

Answer: _____

★ ON YOUR OWN **Exit card.** $\frac{5}{6} \times 54 = \frac{\square}{6} = \square$