

# Estimate Products



To estimate a fraction of a whole number or mixed number, you can round the whole number or mixed number to a multiple of the denominator.

Estimate  $\frac{5}{6} \times 44$ .

Think:  $\frac{5}{6} \times 42$

Round the whole number to the closest multiple of the denominator.

$$42 \div 6 = 7$$

$$5 \times 7 = 35$$

42 is close to 44.

So,  $\frac{5}{6} \times 44$  is about 35.

Estimate  $\frac{3}{4} \times 19\frac{1}{2}$ .

$19\frac{1}{2}$  is close to 20. (Round to a whole number.)

Think:  $\frac{3}{4} \times 20$

$$20 \div 4 = 5$$

$$3 \times 5 = 15$$

So,  $\frac{3}{4} \times 19\frac{1}{2}$  is about 15.

Estimate each product.

1.  $\frac{1}{5} \times 27$

Denominator of fraction: \_\_\_\_\_

Multiples of denominator: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Estimate:  $\frac{1}{5} \times$  \_\_\_\_\_ = \_\_\_\_\_

2.  $30 \times \frac{7}{8}$

Denominator of fraction: \_\_\_\_\_

Multiples of denominator: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Estimate: \_\_\_\_\_  $\times \frac{7}{8} =$  \_\_\_\_\_

3.  $\frac{2}{3} \times 17$

\_\_\_\_\_

4.  $43 \times \frac{3}{5}$

\_\_\_\_\_

5.  $\frac{1}{6} \times 28$

\_\_\_\_\_

6.  $\frac{3}{4} \times 37$

\_\_\_\_\_

7.  $29 \times \frac{3}{8}$

\_\_\_\_\_

8.  $\frac{4}{5} \times 34$

\_\_\_\_\_

9.  $\frac{5}{6} \times 43\frac{1}{4}$

\_\_\_\_\_

10.  $\frac{9}{10} \times 28\frac{2}{3}$

\_\_\_\_\_

11.  $39\frac{9}{10} \times \frac{7}{8}$

\_\_\_\_\_