

Name: ..... Class: .....

## Multiply unit fractions by whole numbers



Multiply the following unit fractions. Simplify your answer.

a.  $\frac{1}{2} \times 5 =$

b.  $\frac{1}{7} \times 10 =$

c.  $\frac{1}{4} \times 13 =$

d.  $\frac{1}{9} \times 18 =$

e.  $\frac{1}{24} \times 7 =$



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## Multiply unit fractions by whole numbers



Multiply the following unit fractions. Simplify your answer.

a.  $\frac{1}{2} \times 5 = 2\frac{1}{2}$

Let's first of all convert the whole number into a fraction.  $5 = \frac{5}{1}$ 

Now, let's multiply numerators of both fractions together and denominators of both fractions together.

$$\frac{1}{2} \times 5 = \frac{1}{2} \times \frac{5}{1} = \frac{1 \times 5}{2 \times 1} = \frac{5}{2} = 2\frac{1}{2}$$

b.  $\frac{1}{7} \times 10 = 1\frac{3}{7}$

$$\frac{1}{7} \times 10 = \frac{1}{7} \times \frac{10}{1} = \frac{1 \times 10}{7 \times 1} = \frac{10}{7} = 1\frac{3}{7}$$

c.  $\frac{1}{4} \times 13 = 3\frac{1}{4}$

$$\frac{1}{4} \times 13 = \frac{1}{4} \times \frac{13}{1} = \frac{1 \times 13}{4 \times 1} = \frac{13}{4} = 3\frac{1}{4}$$

d.  $\frac{1}{9} \times 18 = 2$

$$\frac{1}{9} \times 18 = \frac{1}{9} \times \frac{18}{1} = \frac{1 \times 18}{9 \times 1} = \frac{18}{9} = 2$$

e.  $\frac{1}{24} \times 7 = \frac{7}{24}$

$$\frac{1}{24} \times 7 = \frac{1}{24} \times \frac{7}{1} = \frac{1 \times 7}{24 \times 1} = \frac{7}{24}$$

