

Name: Class:

Divide unit fractions by whole numbers

Divide the following.

a. $\frac{1}{6} \div 4$

b. $\frac{1}{3} \div 12$

c. $\frac{1}{5} \div 7$



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Divide unit fractions by whole numbers

Divide the following.

a. $\frac{1}{6} \div 4$

Write the whole number as a fraction.

 $\frac{1}{6} \div \frac{4}{1}$ Find the reciprocal of the second fraction
and change the division sign to multiplication sign.

$$\frac{1}{6} \times \frac{1}{4} = \frac{1}{24}$$

$$\text{So, } \frac{1}{6} \div 4 = \frac{1}{24}$$

b. $\frac{1}{3} \div 12$

Write the whole number as a fraction.

 $\frac{1}{3} \div \frac{12}{1}$ Find the reciprocal of the second fraction
and change the division sign to multiplication sign.

$$\frac{1}{3} \times \frac{1}{12} = \frac{1}{36}$$

$$\text{So, } \frac{1}{3} \div 12 = \frac{1}{36}$$

c. $\frac{1}{5} \div 7$

Write the whole number as a fraction.

 $\frac{1}{5} \div \frac{7}{1}$ Find the reciprocal of the second fraction
and change the division sign to multiplication sign.

$$\frac{1}{5} \times \frac{1}{7} = \frac{1}{35}$$

$$\text{So, } \frac{1}{5} \div 7 = \frac{1}{35}$$

