

Name: Class:

Equivalent fractions review

In each case, find the the missing number that makes the fractions equal.
(follow the example).

a. $\frac{3}{8} = \frac{6}{?} =$

b. $\frac{2}{14} = \frac{1}{?} =$

c. $\frac{?}{15} = \frac{3}{5} =$

d. $\frac{12}{?} = \frac{6}{7} =$

e. $\frac{6}{9} = \frac{?}{18} =$

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(follow the example).

a. $\frac{3}{8} = \frac{6}{?} =$ $\frac{3}{8} = \frac{6}{?} = \frac{3}{8} \times \frac{x}{x} = 6 \times 8$
 $x = \frac{6^2 \times 8}{3^1} = 16$
 Therefore, ? = 16.

b. $\frac{2}{14} = \frac{1}{?} =$ $\frac{2}{14} = \frac{1}{?} = \frac{2}{14} \times \frac{x}{x} = 2 \times x = 14 \times 1$
 $x = \frac{14^1 \times 1}{2^1} = 7$
 Therefore, ? = 7.

c. $\frac{?}{15} = \frac{3}{5} =$ $\frac{?}{15} = \frac{3}{5} = \frac{x}{15} \times \frac{3}{3} = 5 \times x = 15 \times 3$
 $x = \frac{15^3 \times 3}{5^1} = 9$
 Therefore, ? = 9.

d. $\frac{12}{?} = \frac{6}{7} =$ $\frac{12}{?} = \frac{6}{7} = \frac{12}{x} \times \frac{6}{6} = 12 \times 7 = 6 \times x$
 $x = \frac{12^2 \times 7}{6^1} = 14$
 Therefore, ? = 14.

e. $\frac{6}{9} = \frac{?}{18} =$ $\frac{6}{9} = \frac{?}{18} = \frac{6}{9} \times \frac{x}{x} = 6 \times 18 = 9 \times x$
 $x = \frac{6 \times 18^2}{9^1} = 12$
 Therefore, ? = 12.