

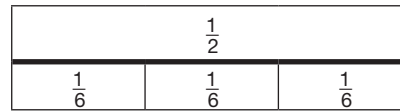
# Equivalent Fractions

Use multiplication to find an equivalent fraction:

$$\frac{3}{7} \times \frac{4}{4} = \frac{12}{28}$$

$$\frac{3}{7} = \frac{12}{28}$$

**Equivalent fractions** name the same amount.



$$\frac{1}{2} = \frac{3}{6}$$

Use division to find an equivalent fraction.

$$\frac{10}{12} \div \frac{2}{2} = \frac{10 \div 2}{12 \div 2} = \frac{5}{6}$$

$$\frac{10}{12} = \frac{5}{6}$$

Remember, you can multiply or divide fractions by 1:

$$\frac{4}{4} = 1 \quad \frac{2}{2} = 1$$

Use multiplication to find an equivalent fraction.

1.  $\frac{3}{8}$  \_\_\_\_\_ 2.  $\frac{1}{3}$  \_\_\_\_\_ 3.  $\frac{4}{7}$  \_\_\_\_\_

4.  $\frac{1}{2}$  \_\_\_\_\_ 5.  $\frac{5}{9}$  \_\_\_\_\_ 6.  $\frac{3}{10}$  \_\_\_\_\_

7.  $\frac{8}{11}$  \_\_\_\_\_ 8.  $\frac{7}{16}$  \_\_\_\_\_ 9.  $\frac{11}{12}$  \_\_\_\_\_

Use division to find an equivalent fraction.

10.  $\frac{9}{12}$  \_\_\_\_\_ 11.  $\frac{4}{18}$  \_\_\_\_\_ 12.  $\frac{15}{60}$  \_\_\_\_\_

13.  $\frac{16}{20}$  \_\_\_\_\_ 14.  $\frac{80}{100}$  \_\_\_\_\_ 15.  $\frac{35}{45}$  \_\_\_\_\_

16.  $\frac{25}{75}$  \_\_\_\_\_ 17.  $\frac{32}{48}$  \_\_\_\_\_ 18.  $\frac{18}{32}$  \_\_\_\_\_

Find two equivalent fractions for each given fraction.

19.  $\frac{2}{4}$  \_\_\_\_\_ 20.  $\frac{3}{9}$  \_\_\_\_\_ 21.  $\frac{10}{12}$  \_\_\_\_\_

22.  $\frac{75}{100}$  \_\_\_\_\_ 23.  $\frac{1}{2}$  \_\_\_\_\_ 24.  $\frac{7}{12}$  \_\_\_\_\_

25.  $\frac{36}{48}$  \_\_\_\_\_ 26.  $\frac{5}{6}$  \_\_\_\_\_ 27.  $\frac{1}{8}$  \_\_\_\_\_

**28. Number Sense** Why do you have to multiply or divide both the numerator and denominator of a fraction to find an equivalent fraction?

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