Math Online School

Expanding Fractions



Find each equivalent fraction by multiplying the numerator and denominator by the given number.

$\frac{1 \times 2}{2 \times 2} = \frac{\quad}{\quad}$ $\frac{2 \times 3}{3 \times 3} = \frac{\quad}{\quad}$ $\frac{1 \times 2}{3 \times 2} = \frac{\quad}{\quad}$

$\frac{1 \times 5}{6 \times 5} = \frac{\quad}{\quad}$ $\frac{3 \times 2}{4 \times 2} = \frac{\quad}{\quad}$ $\frac{2 \times 3}{5 \times 3} = \frac{\quad}{\quad}$

$\frac{1 \times 7}{4 \times 7} = \frac{\quad}{\quad}$ $\frac{5 \times 3}{6 \times 3} = \frac{\quad}{\quad}$ $\frac{1 \times 5}{5 \times 5} = \frac{\quad}{\quad}$

Find the number the fraction was expanded by.

$\frac{1}{4}\frac{\quad}{\quad} = \frac{5}{20}$ $\frac{3}{4}\frac{\quad}{\quad} = \frac{9}{12}$ $\frac{2}{3}\frac{\quad}{\quad} = \frac{12}{18}$

$\frac{3}{7}\frac{\quad}{\quad} = \frac{12}{28}$ $\frac{2}{9}\frac{\quad}{\quad} = \frac{14}{63}$ $\frac{5}{6}\frac{\quad}{\quad} = \frac{50}{60}$

$\frac{3}{8}\frac{\quad}{\quad} = \frac{21}{56}$ $\frac{3}{10}\frac{\quad}{\quad} = \frac{18}{60}$ $\frac{7}{9}\frac{\quad}{\quad} = \frac{28}{36}$

$\frac{2}{11}\frac{\quad}{\quad} = \frac{6}{33}$ $\frac{2}{7}\frac{\quad}{\quad} = \frac{18}{63}$ $\frac{7}{8}\frac{\quad}{\quad} = \frac{35}{45}$

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Find each equivalent fraction by multiplying the numerator and denominator by the given number.

$\frac{1 \times 2}{2 \times 2} = \frac{2}{4}$ $\quad \frac{2 \times 3}{3 \times 3} = \frac{6}{9}$ $\quad \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$

$\frac{1 \times 5}{6 \times 5} = \frac{5}{30}$ $\quad \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ $\quad \frac{2 \times 3}{5 \times 3} = \frac{6}{15}$

$\frac{1 \times 7}{4 \times 7} = \frac{7}{28}$ $\quad \frac{5 \times 3}{6 \times 3} = \frac{15}{18}$ $\quad \frac{1 \times 5}{5 \times 5} = \frac{5}{25}$

Find the number the fraction was expanded by.

$\frac{1}{4} \frac{\times 5}{\times 5} = \frac{5}{20}$ $\quad \frac{3}{4} \frac{\times 3}{\times 3} = \frac{9}{12}$ $\quad \frac{2}{3} \frac{\times 6}{\times 6} = \frac{12}{18}$

$\frac{3}{7} \frac{\times 4}{\times 4} = \frac{12}{28}$ $\quad \frac{2}{9} \frac{\times 7}{\times 7} = \frac{14}{63}$ $\quad \frac{5}{6} \frac{\times 10}{\times 10} = \frac{50}{60}$

$\frac{3}{8} \frac{\times 7}{\times 7} = \frac{21}{56}$ $\quad \frac{3}{10} \frac{\times 6}{\times 6} = \frac{18}{60}$ $\quad \frac{7}{9} \frac{\times 4}{\times 4} = \frac{28}{36}$

$\frac{2}{11} \frac{\times 3}{\times 3} = \frac{6}{33}$ $\quad \frac{2}{7} \frac{\times 9}{\times 9} = \frac{18}{63}$ $\quad \frac{7}{8} \frac{\times 5}{\times 5} = \frac{35}{45}$