

Reducing Fractions

When you reduce fractions to lower terms, you divide both numerator and denominator by a form of 1. When you reduce fractions to lowest terms, there is no other number, other than 1, that can be divided evenly into the numerator and denominator.

$$\frac{4}{8} = \frac{4 \div 4}{8 \div 4} = \frac{1}{2}$$

$$\frac{36}{54} = \frac{36 \div 9}{54 \div 9} = \frac{4}{6} = \frac{4 \div 2}{6 \div 2} = \frac{2}{3}$$

Reduce (simplify) the following fractions to lowest terms.

$$\frac{12}{24} = \underline{\hspace{2cm}}$$

$$\frac{3}{21} = \underline{\hspace{2cm}}$$

$$\frac{3}{30} = \underline{\hspace{2cm}}$$

$$\frac{16}{32} = \underline{\hspace{2cm}}$$

$$\frac{4}{24} = \underline{\hspace{2cm}}$$

$$\frac{24}{36} = \underline{\hspace{2cm}}$$

$$\frac{3}{6} = \underline{\hspace{2cm}}$$

$$\frac{5}{50} = \underline{\hspace{2cm}}$$

$$\frac{2}{12} = \underline{\hspace{2cm}}$$

$$\frac{48}{60} = \underline{\hspace{2cm}}$$

$$\frac{4}{12} = \underline{\hspace{2cm}}$$

$$\frac{42}{54} = \underline{\hspace{2cm}}$$

$$\frac{21}{27} = \underline{\hspace{2cm}}$$

$$\frac{6}{8} = \underline{\hspace{2cm}}$$

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Reduce (simplify) the following fractions to lowest terms.

$$\frac{12}{24} = \frac{1}{2}$$

$$\frac{3}{21} = \frac{1}{7}$$

$$\frac{3}{30} = \frac{1}{10}$$

$$\frac{16}{32} = \frac{1}{2}$$

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

$$\frac{24}{36} = \frac{2}{3}$$

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

$$\frac{5}{50} = \frac{1}{10}$$

$$\frac{2}{12} = \frac{1}{6}$$

$$\frac{48}{60} = \frac{4}{5}$$

$$\frac{4}{12} = \frac{1}{3}$$

$$\frac{42}{54} = \frac{7}{9}$$

$$\frac{21}{27} = \frac{7}{9}$$

$$\frac{6}{8} = \frac{3}{4}$$