

Name: _____

Date: _____

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.

$$\frac{6}{24} = \underline{\hspace{2cm}}$$

$$\frac{6}{27} = \underline{\hspace{2cm}}$$

$$\frac{4}{6} = \underline{\hspace{2cm}}$$

$$\frac{20}{35} = \underline{\hspace{2cm}}$$

$$\frac{30}{45} = \underline{\hspace{2cm}}$$

$$\frac{4}{16} = \underline{\hspace{2cm}}$$

$$\frac{16}{36} = \underline{\hspace{2cm}}$$

$$\frac{9}{21} = \underline{\hspace{2cm}}$$

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

$$\frac{12}{18} = \underline{\hspace{2cm}}$$

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

$$\frac{5}{20} = \underline{\hspace{2cm}}$$

$$\frac{24}{54} = \underline{\hspace{2cm}}$$

$$\frac{6}{12} = \underline{\hspace{2cm}}$$

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

$$\frac{6}{27} = \frac{2}{9}$$

$$\frac{4}{6} = \frac{2}{3}$$

$$\frac{20}{35} = \frac{4}{7}$$

$$\frac{30}{45} = \frac{2}{3}$$

$$\frac{4}{16} = \frac{1}{4}$$

$$\frac{16}{36} = \frac{4}{9}$$

$$\frac{9}{21} = \frac{3}{7}$$

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$$\frac{12}{18} = \frac{2}{3}$$

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

$$\frac{5}{20} = \frac{1}{4}$$

$$\frac{24}{54} = \frac{4}{9}$$

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