

Lesson 4.7 Simplifying Fractions

$$\frac{12}{16} \div \frac{4}{4} = \frac{3}{4}$$

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To reduce a fraction to its simplest form, divide the numerator and denominator by the same number. The fraction is in simplest form when 1 is the only common factor.

$$\frac{36}{72} \div \frac{36}{36} = \frac{1}{2}$$

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Reduce each fraction to simplest form.

a

1. $\frac{3}{6}$ _____

b

$\frac{5}{10}$ _____

c

$\frac{9}{18}$ _____

2. $\frac{6}{24}$ _____

$\frac{4}{12}$ _____

$\frac{2}{10}$ _____

3. $\frac{4}{20}$ _____

$\frac{12}{15}$ _____

$\frac{8}{32}$ _____

4. $\frac{18}{36}$ _____

$\frac{26}{28}$ _____

$\frac{17}{68}$ _____

5. $\frac{25}{35}$ _____

$\frac{51}{75}$ _____

$\frac{28}{36}$ _____

6. $\frac{22}{64}$ _____

$\frac{49}{63}$ _____

$\frac{24}{96}$ _____