

Name: \_\_\_\_\_

## Simplifying Fractions



Simplify each fraction.

a.  $\frac{2}{8} =$

b.  $\frac{4}{10} =$

c.  $\frac{3}{6} =$

d.  $\frac{4}{12} =$

e.  $\frac{7}{14} =$

f.  $\frac{2}{20} =$

g.  $\frac{3}{9} =$

h.  $\frac{6}{9} =$

i.  $\frac{8}{10} =$



# ~ PREVIEW ~

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m.  $\frac{4}{6} =$

n.  $\frac{21}{28} =$

o.  $\frac{4}{18} =$

p.  $\frac{33}{55} =$

q. What is  $\frac{3}{18}$  written in simplest form? Explain how you found your answer.

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# ANSWER KEY

## Simplifying Fractions



Simplify each fraction.

a.  $\frac{2}{8} = \frac{1}{4}$

b.  $\frac{4}{10} = \frac{2}{5}$

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

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

e.  $\frac{7}{14} = \frac{1}{2}$

f.  $\frac{2}{20} = \frac{1}{10}$

g.  $\frac{3}{9} = \frac{1}{3}$

h.  $\frac{6}{9} = \frac{2}{3}$

i.  $\frac{8}{10} =$



### ~ PREVIEW ~

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$= \frac{1}{4}$

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

n.  $\frac{21}{28} = \frac{3}{4}$

o.  $\frac{4}{18} = \frac{2}{9}$

p.  $\frac{33}{55} = \frac{3}{5}$

q. What is  $\frac{3}{18}$  written in simplest form? Explain how you found your answer.

**The answer is  $\frac{1}{6}$ . To find the simplest form of a fraction, you determine the greatest common factor of the numerator and the denominator. (The GCF is 3). Divide both numbers by the greatest common factor.  $3 \div 3 = 1$   $18 \div 3 = 6$ . So the answer is  $\frac{1}{6}$**