

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

j. $\frac{5}{15} =$

k. $\frac{8}{72} =$

l. $\frac{5}{20} =$

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.

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. $\frac{8}{10} = \frac{4}{5}$

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

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 $\frac{1}{6}$