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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{5}{15} = \frac{1}{3}$$

i. 
$$\frac{8}{10} = \frac{4}{5}$$
 j.  $\frac{5}{15} = \frac{1}{3}$  k.  $\frac{8}{72} = \frac{1}{9}$  l.  $\frac{5}{20} = \frac{1}{4}$ 

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

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

m. 
$$\frac{4}{6} = \frac{2}{3}$$
 n.  $\frac{21}{28} = \frac{3}{4}$  o.  $\frac{4}{18} = \frac{2}{9}$  p.  $\frac{33}{55} = \frac{3}{5}$ 

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

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

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  $\frac{1}{6}$ .