

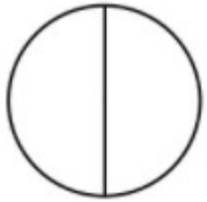
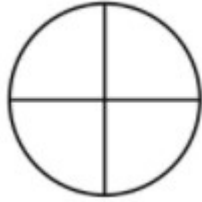
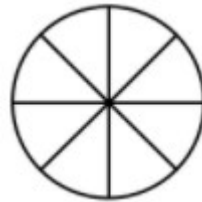
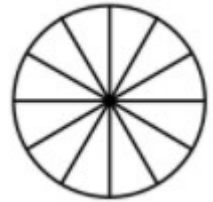
Name: _____ Date: _____

Solving Proportions

A **proportion** is an _____ stating that two _____ are _____.

We can write ratios as _____.

Revisiting Fractions: Shade half of each circle. Then write the fraction represented by each picture,


 $\frac{2}{2}$

 $\frac{4}{4}$

 $\frac{8}{8}$

 $\frac{12}{12}$

Now reduce each fraction. What do you notice?

We call two or more fractions _____ if they all simplify to the same fraction.

Determine if the following fractions are proportional.

1. $\frac{2}{3}$ and $\frac{8}{12}$

3. $\frac{12}{24}$ and $\frac{3}{4}$

2. $\frac{3}{2}$ and $\frac{18}{8}$

4. $\frac{4}{3}$, $\frac{16}{12}$, and $\frac{8}{6}$

Solving Proportions

If part of the proportion is unknown, we can _____ - _____ to solve for the missing piece.

1. $\frac{10}{x} = \frac{8}{4}$

2. $\frac{4}{9} = \frac{2}{x}$

3. $\frac{6}{x+3} = \frac{3}{8}$

4. $\frac{x+4}{2} = \frac{x+2}{4}$
