

Proportions and Similar Figures

Directions: Answer each question. Use your answer to navigate through the maze. Show your work.

START
If $ab = cd$, then the proportion is:

The ratio 24:36 simplified is:

$\frac{c}{2} = \frac{-1}{4}$

$\frac{1}{c+2} = \frac{10}{5}$

$\frac{a}{b} = \frac{c}{d}$

8:9

$c = -\frac{1}{2}$

$\frac{a}{d} = \frac{c}{b}$

1:3

2:3

$c = 2$

False

None of these

$c = -\frac{3}{2}$

$\frac{2}{9} = \frac{c}{18}$

$\frac{2}{2c} = \frac{4}{12}$

Two squares are always similar.

A proportion is an equation having two ratios _____.

$c = 6$

$c = 3$

True

$c = 4$

Same shape and size

$2c = 1$

$2c = 6$

Equal

Proportional

Equal

The similar figures have:

If $\frac{3}{2} = \frac{c}{6}$, then $2c$ is:

The corresponding angles of the similar figures are:

The corresponding sides of the similar shapes are:

Same shape but different size

$2c = 18$

Zero

Different shape but same size

None of these

$2c = \frac{1}{2}$

$2c = 2$

$ac = bd$

Congruent

Proportional

The ratio 0.3:1.2 simplified is:

$\frac{1}{a} = \frac{b}{c}$

If $\frac{a}{b} = \frac{c}{d}$, then

1:4

$a + d = c + d$

$ad = cd$

Good Job!

The End