

Perimeter and Area Ratios of Similar Figures

Find the **perimeter** and **area** of the **following squares**



2 cm



5 cm

Ratio of Similar Figures

Ratio of Perimeters

Ratio of Areas

Ratio of Similar Figures

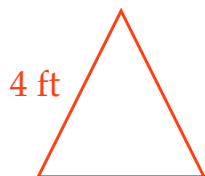
$a:b$

Ratio of Perimeters

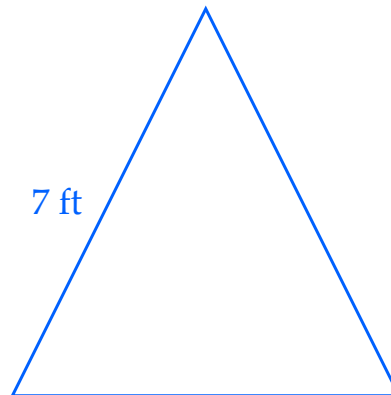
$a:b$

Ratio of Areas

$a^2:b^2$



4 ft



7 ft

Ratio of Similar Figures

$$a:b$$

Ratio of Perimeters

$$a:b$$

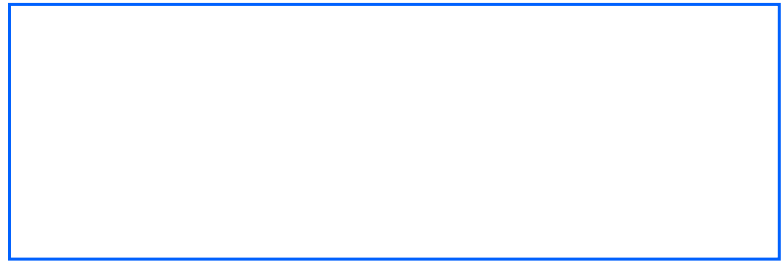
Ratio of Areas

$$a^2:b^2$$

3 ft



9 ft

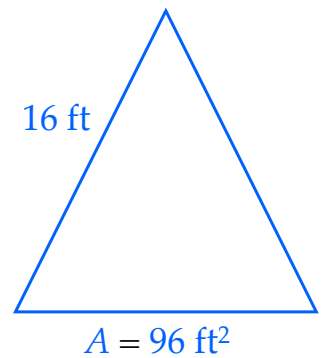
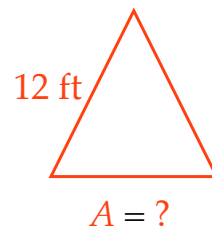


Find the area of the following figures

Ratio of Similar Figures $a:b$

Ratio of Perimeters $a:b$

Ratio of Areas $a^2:b^2$



Find the area of the following figures

Ratio of Similar Figures $a:b$

8 cm



$A = 40 \text{ cm}^2$

20 cm



$A = ?$

Ratio of Perimeters $a:b$

Ratio of Areas $a^2:b^2$

Find the area of the following figures

Ratio of Similar Figures $a:b$

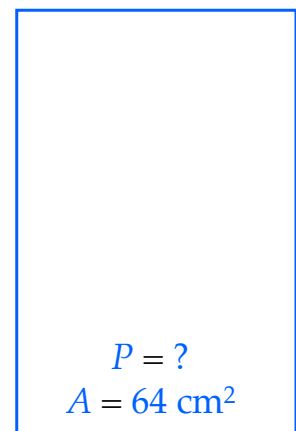


$P = 12 \text{ cm}$

$A = 9 \text{ cm}^2$

Ratio of Perimeters $a:b$

Ratio of Areas $a^2:b^2$



$P = ?$

$A = 64 \text{ cm}^2$

Find the area of the following figures

Ratio of Similar Figures $a:b$

$$P = 8 \text{ yd}$$
$$A = 4 \text{ yd}^2$$

$$P = 16 \text{ yd}$$
$$A = ?$$

Ratio of Perimeters $a:b$

Ratio of Areas $a^2:b^2$

Ratio of Similar
Figures

$$a:b$$

Ratio of
Perimeters

$$a:b$$

Ratio of
Areas

$$a^2:b^2$$