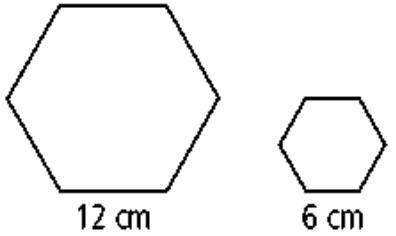
Chapter 2

Review

Lesson Revisited:

Ratio of Sides	Ratio of Perimeters	Ratio of Areas

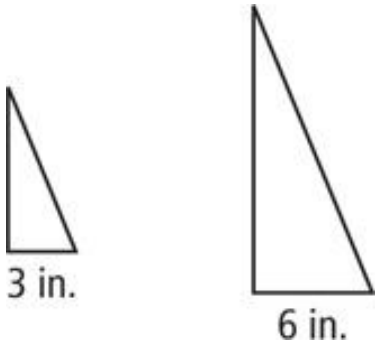
1) The hexagons at the right are similar. What is the ratio (smaller to larger) of their perimeters and their areas?



Ratio of Sides	Ratio of Perimeters	Ratio of Areas

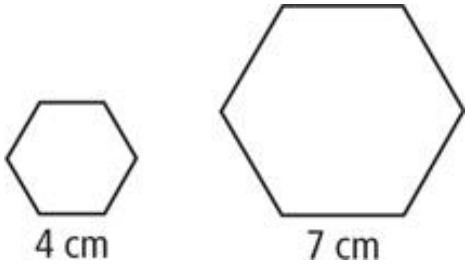
The figures in each pair are similar. Compare the first figure to the second. Give the ratio of the perimeters and the ratio of the areas.

2)



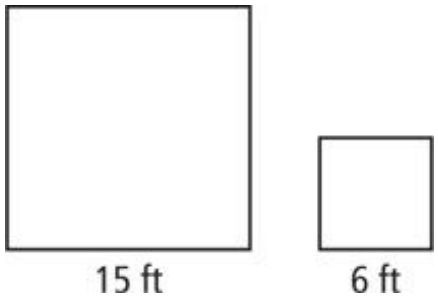
Ratio of Sides	Ratio of Perimeters	Ratio of Areas

3)



Ratio of Sides	Ratio of Perimeters	Ratio of Areas

4)

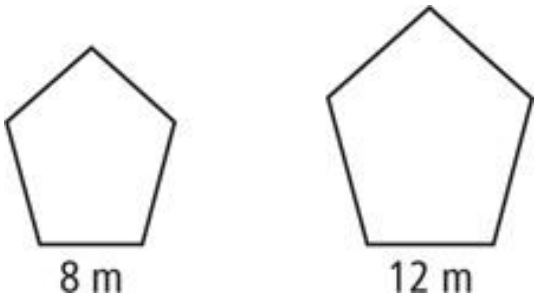


Ratio of Sides	Ratio of Perimeters	Ratio of Areas

Finding the missing perimeter:

The figures in each pair are similar. The perimeter of one figure is given.

5)



Perimeter of smaller pentagon = 40 m

Write a proportion:

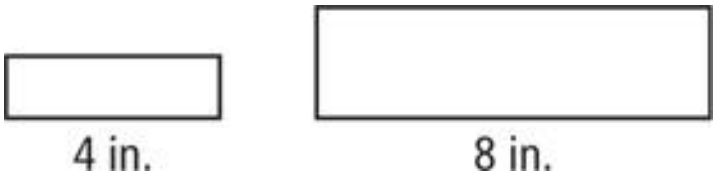
Ratio of perimeters (using sides) = **Ratio of ACTUAL perimeters**

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Finding the missing perimeter:

The figures in each pair are similar. The perimeter of one figure is given.

6)



Write a proportion:

Ratio of perimeters (using sides) = **Ratio of ACTUAL perimeters**

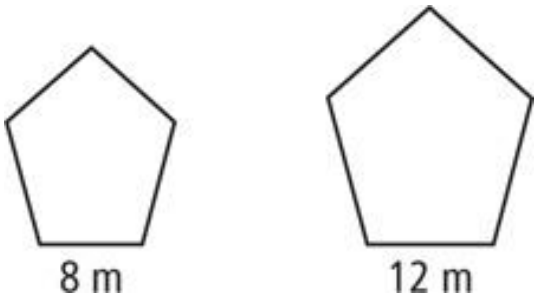
Perimeter of smaller rectangle = 12 in.

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Finding the missing area:

The figures in each pair are similar. The perimeter of one figure is given.

9)



Area of smaller pentagon = 80 m²

Write a proportion:

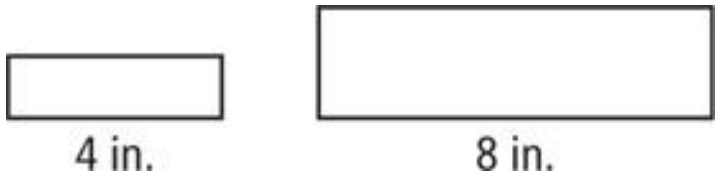
Ratio of areas (simplified) = **Ratio of ACTUAL areas**

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Finding the missing perimeter:

The figures in each pair are similar. The perimeter of one figure is given.

10)



Write a proportion:

Ratio of areas (simplified) **Ratio of ACTUAL areas**

Area of smaller rectangle = 8 in^2

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$