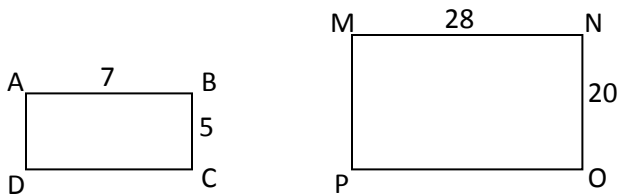


7.5 Similar Figures and Perimeter



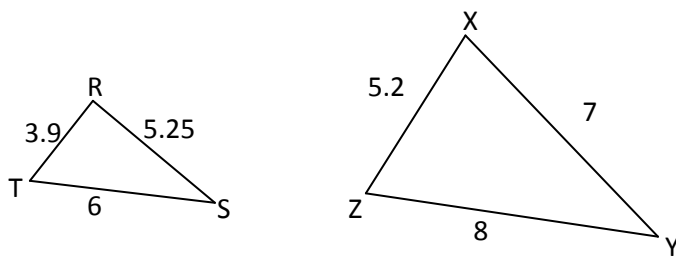
1. Find the scale factor of rect ABCD to rect MNOP.

2. Find the perimeter of each rectangle.

rect ABCD= _____ rect MNOP= _____

3. What is the ratio of the perimeter ABCD to MNOP?

4. What do you notice about the ratios?



5. Find the scale factor of ΔRST to ΔXYZ .

6. Find the perimeter of each triangle.

ΔRST = _____ ΔXYZ _____

7. What is the ratio of the perimeter ΔRST to ΔXYZ ?

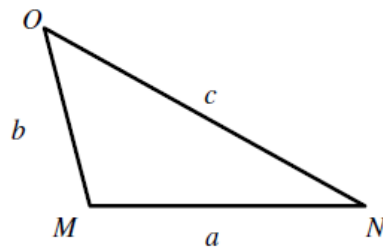
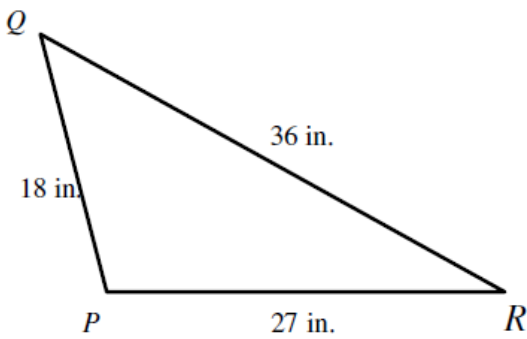
8. What do you notice about the ratios?

Ratio of Perimeters:

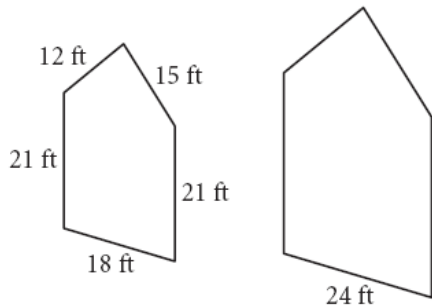
_____ = _____

Ex1 Find a , b , & c , if

and the perimeter of $\triangle MNO$ is 63 inches.



Ex 2 Find the perimeter of the larger pentagon if the two pentagons are similar.



Do pg. 410 #1,2, 8-10, 12,13