

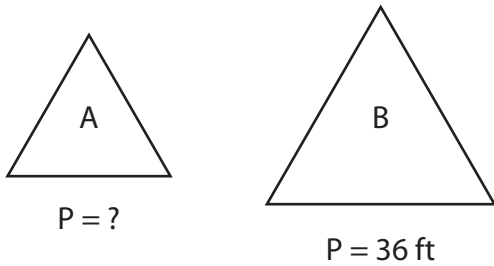
Name : _____

Scale Factors - Perimeters

L1S1

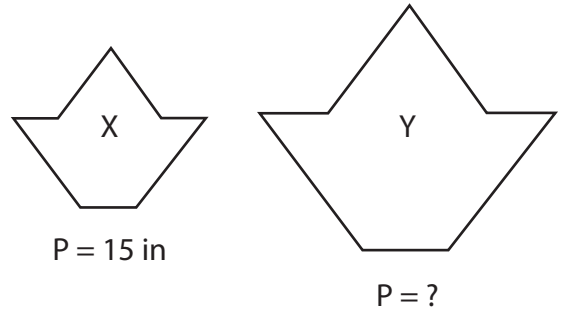
Each pair of figures is similar. Find the missing perimeter. (P denotes Perimeter)

- 1) Scale factor of A to B is 2.6 : 9



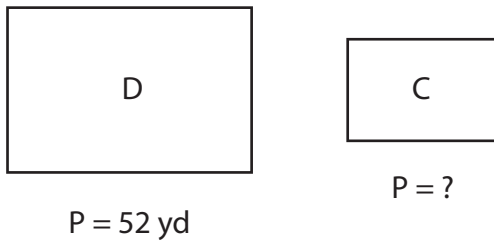
Perimeter of figure A = _____

- 2) Scale factor of Y to X is 7.5 : 1



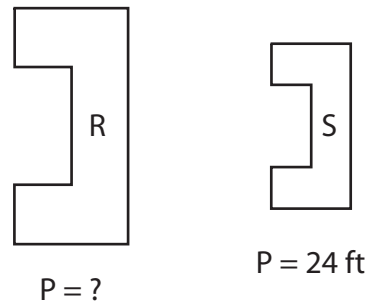
Perimeter of figure Y = _____

- 3) Scale factor of D to C is 5.2 : 4.1



Perimeter of figure C = _____

- 4) Scale factor of S to R is 6 : 7



Perimeter of figure R = _____

- 5) The scale factor of two similar hexagons is 5 : 8. If the perimeter of the smaller hexagon is 45 inches, find the perimeter of the larger hexagon.

- 6) Find the perimeter of figure F, if the scale factor of two regular geometric figures G to F is 3 : 0.8 and the perimeter of figure G is 60 yards.

Name : _____

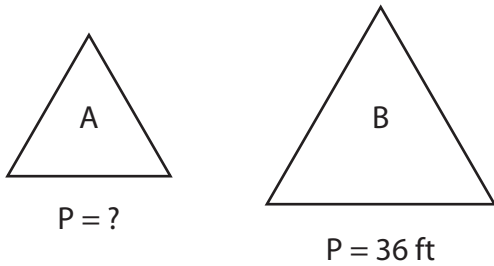
Answer key

Scale Factors - Perimeters

L1S1

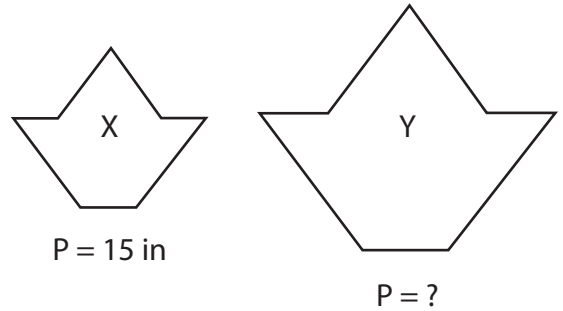
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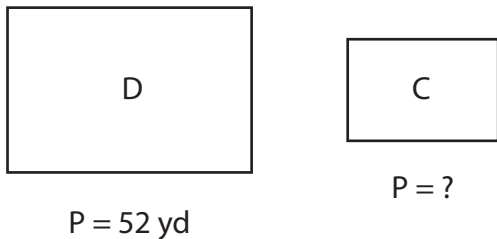
Perimeter of figure A = 10.4 ft

- 2) Scale factor of Y to X is 7.5 : 1



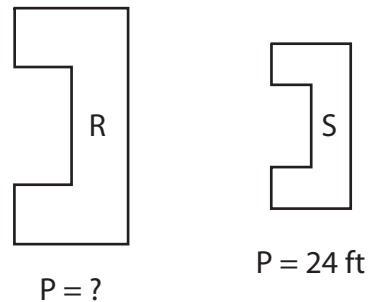
Perimeter of figure Y = 112.5 in

- 3) Scale factor of D to C is 5.2 : 4.1



Perimeter of figure C = 41 yd

- 4) Scale factor of S to R is 6 : 7



Perimeter of figure R = 28 ft

- 5) The scale factor of two similar hexagons is 5 : 8. If the perimeter of the smaller hexagon is 45 inches, find the perimeter of the larger hexagon.

72 inches

- 6) Find the perimeter of figure F, if the scale factor of two regular geometric figures G to F is 3 : 0.8 and the perimeter of figure G is 60 yards.

16 yards