

Name : _____

Perimeter and Area

L1S3

- 1) Two regular nonagons have a scale factor of $5.1 : 9.2$. What is the area of the smaller nonagon, if the area of the larger nonagon is 423.2 square feet?

- 2) V and W are similar isosceles triangles. The scale factor of V to W is $6 : 3.7$. If the perimeter of V is 90 inches, determine the perimeter of W.

- 3) Hexagons S and T are similar. The perimeter of hexagon S is 21 yards. Find the perimeter of hexagon T if the scale factor of S to T is $3 : 5$.

- 4) The scale factor of square P to square Q is $2 : 3$. If the area of square P is 16 square units, find the area of square Q.

- 5) E and F are regular figures. The scale factor of E to F is $1 : 8$. If the perimeter of F is 32 yards, determine the perimeter of E.

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