

Name : \_\_\_\_\_

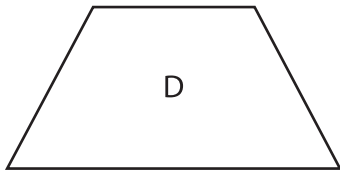
## Scale Factors - Area

L1S2

Each pair of figures is similar. Find the missing area. (A denotes Area)

1) Scale factor of D to C is 9 : 2.5

2) Scale factor of Y to X is 7 : 1



D

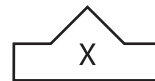
A = ?

Area of figure D = \_\_\_\_\_



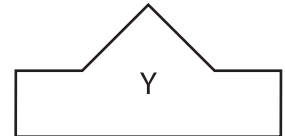
C

A = 4 in<sup>2</sup>



X

A = 11 vd<sup>2</sup>

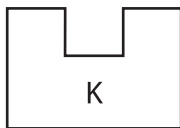


Y

A = ?

= \_\_\_\_\_

3) Scale factor of K to



K

A = ?

Area of figure K = \_\_\_\_\_

to M is 1.1 : 4.6



M

= \_\_\_\_\_

5) E and F are similar  
area of figure F is 1

\_\_\_\_\_

6) Determine the area of triangle P, if the scale factor of similar triangles P to Q is 5 : 3 and the area of triangle Q is 27 square feet.

\_\_\_\_\_

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