

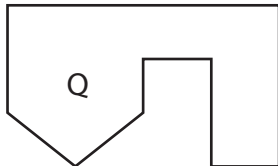
Name : \_\_\_\_\_

## Scale Factors - Area

L1S1

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

1) Scale factor of Q to R is 6.4 : 1.7



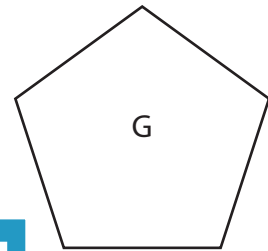
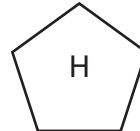
$$A = 81.92 \text{ yd}^2$$

Area of figure R = \_\_\_\_\_



$$A = ?$$

2) Scale factor of H to G is 2 : 3.5

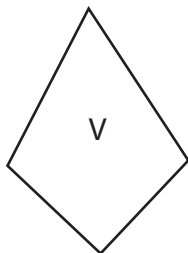


$$A = 49 \text{ ft}^2$$

= \_\_\_\_\_

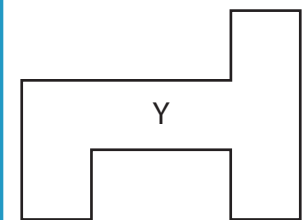
to X is 5 : 0.2

3) Scale factor of U to



$$A = ?$$

Area of figure V = \_\_\_\_\_



$$A = ?$$

= \_\_\_\_\_

5) The scale factor of  
square feet. Find th

lter heptagon is 33.8

\_\_\_\_\_

6) Find the area of figure B, if the area of figure C is 192 square inches and the scale factor of similar geometric figures B to C is 1 : 8.

\_\_\_\_\_

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

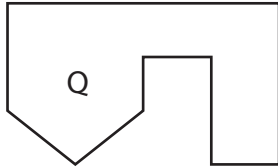
## Answer key

### Scale Factors - Area

L1S1

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

1) Scale factor of Q to R is 6.4 : 1.7



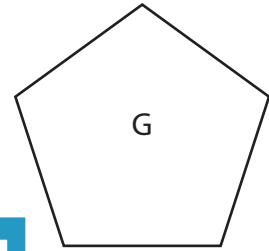
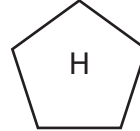
$$A = 81.92 \text{ yd}^2$$

Area of figure R =



$$A = ?$$

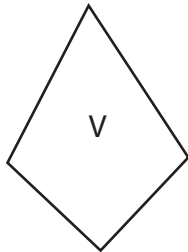
2) Scale factor of H to G is 2 : 3.5



$$A = 49 \text{ ft}^2$$

$$= \underline{16 \text{ ft}^2}$$

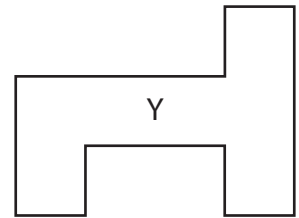
3) Scale factor of U to



$$A = ?$$

Area of figure V =

to X is 5 : 0.2



$$A = ?$$

$$= \underline{312.5 \text{ yd}^2}$$

5) The scale factor of  
square feet. Find th

$$\underline{414.05 \text{ square feet}}$$

lter heptagon is 33.8

6) Find the area of figure B, if the area of figure C is 192 square inches and the scale factor of similar geometric figures B to C is 1 : 8.

$$\underline{3 \text{ square inches}}$$

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