

Name : _____

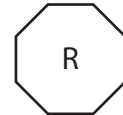
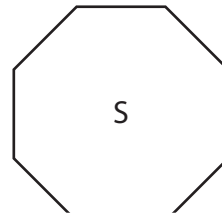
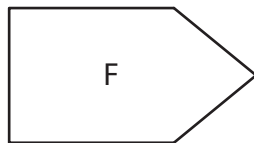
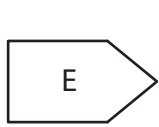
Scale Factors - Area

L1S3

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

1) Scale factor of E to F is 5 : 9

2) Scale factor of R to S is 3 : 4.4



A = 100 ft²

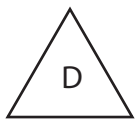
A = ?

Area of figure F = _____

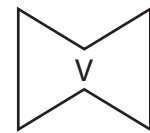
= _____

3) Scale factor of C to D is 2 : 3

Scale factor of V to W is 6 : 1



A = ?



A = 14 ft²

Area of figure D = _____

= _____

5) U and T are similar rectangles. The length of figure U is 12 inches, find the area of figure T.

The length of figure T is 108 square

6) The scale factor of two similar trapezoids is 8 : 4.7. If the area of the larger trapezoid is 256 square yards, what would be the area of the smaller trapezoid?

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Answer key

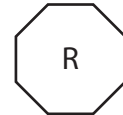
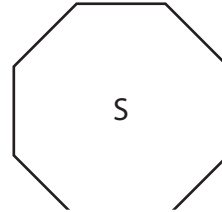
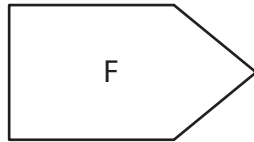
Scale Factors - Area

L1S3

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

1) Scale factor of E to F is 5 : 9

2) Scale factor of R to S is 3 : 4.4



A = 100 ft²

A = ?

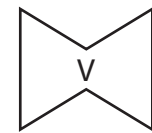
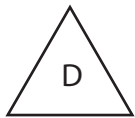
Area of figure F =

= 4.5 in²

3) Scale factor of C to

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to V is 6 : 1



A = ?

A = 14 ft²

Area of figure D =

= 504 ft²

5) U and T are similar
inches, find the area

of figure T is 108 square

17.28 square inches

6) The scale factor of two similar trapezoids is 8 : 4.7. If the area of the larger trapezoid is 256 square yards, what would be the area of the smaller trapezoid?

88.36 square yards