

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

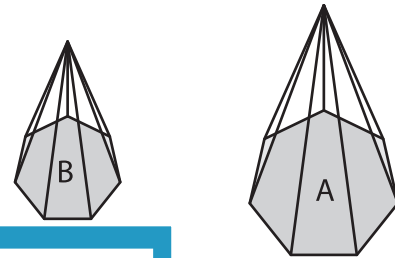
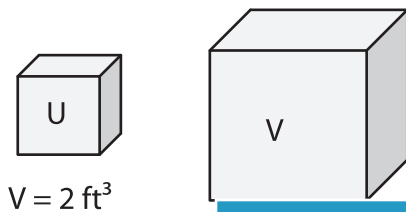
## Scale Factors - Volumes

L153

Each pair of figures is similar. Find the missing volume. (V denotes Volume)

1) Scale factor of U to V is 1 : 3

2) Scale factor of A to B is 4.3 : 2.6

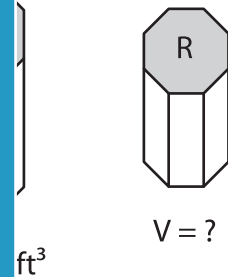
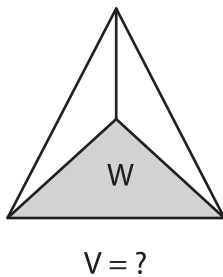


Volume of figure V

Volume of figure B = \_\_\_\_\_

3) Scale factor of X to W is 3 : 2

Scale factor of S to R is 9 : 4



Volume of figure W

Volume of figure S = \_\_\_\_\_

5) The scale factor of X to Y is 5 : 3. If the volume of X is 31.25 cubic inches, find the volume of Y.

The smaller polygon is \_\_\_\_\_

\_\_\_\_\_

6) K and L are similar heptagonal prisms. The scale factor of K to L is 8 : 3.5. If the volume of K is 102.4 cubic yards, find the volume of L.

\_\_\_\_\_

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