

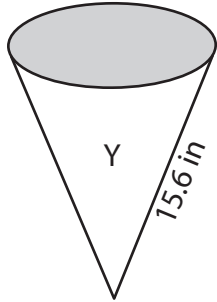
Name : _____

Scale Factors - Volumes

L2S2

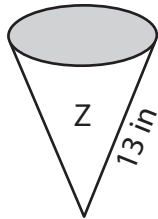
Each pair of figures is similar. Find the missing volume. (V denotes Volume)

1)

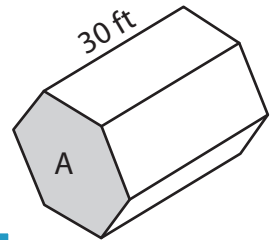
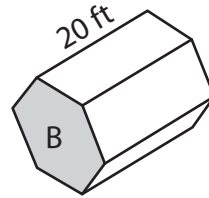


$$V = 1,728 \text{ in}^3$$

Volume of figure Z = _____



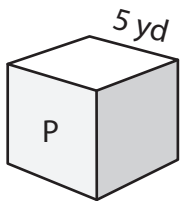
2)



$$V = ?$$

A = _____

3)



$$V = 125 \text{ yd}^3$$

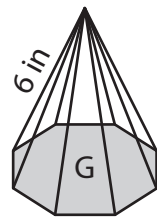
Volume of figure Q = _____

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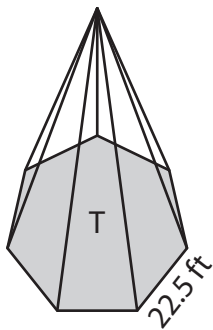
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$$V = ?$$

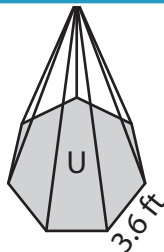
G = _____

5)

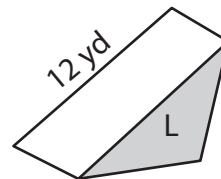


$$V = ?$$

Volume of figure T = _____

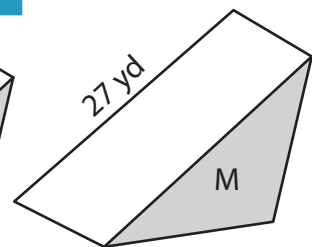


$$V = 1.92 \text{ ft}^3$$



$$V = ?$$

Volume of figure L = _____



$$V = 145.8 \text{ yd}^3$$

Name : _____

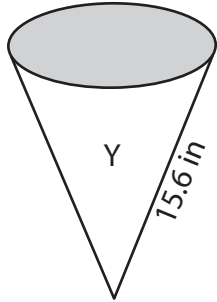
Answer key

Scale Factors - Volumes

L2S2

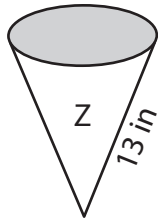
Each pair of figures is similar. Find the missing volume. (V denotes Volume)

1)

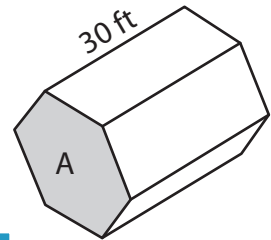
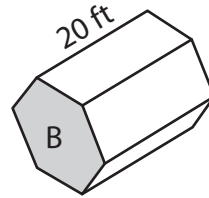


$$V = 1,728 \text{ in}^3$$

Volume of figure Z



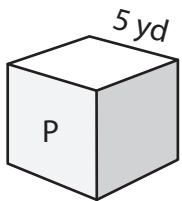
2)



$$V = ?$$

$$A = \underline{540 \text{ ft}^3}$$

3)



$$V = 125 \text{ yd}^3$$

Volume of figure Q

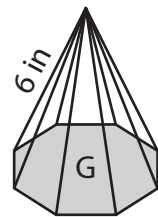


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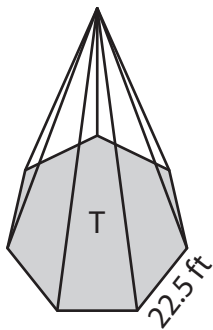
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$$V = ?$$

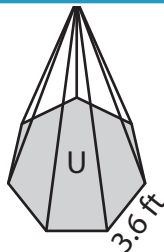
$$G = \underline{1,296 \text{ in}^3}$$

5)

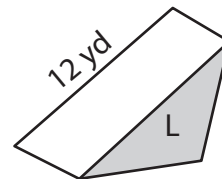


$$V = ?$$

$$\text{Volume of figure T} = \underline{468.75 \text{ ft}^3}$$

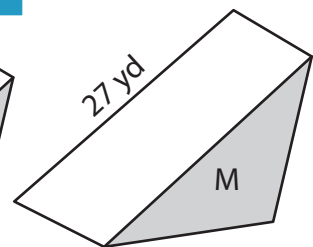


$$V = 1.92 \text{ ft}^3$$



$$V = ?$$

$$\text{Volume of figure L} = \underline{12.8 \text{ yd}^3}$$



$$V = 145.8 \text{ yd}^3$$