

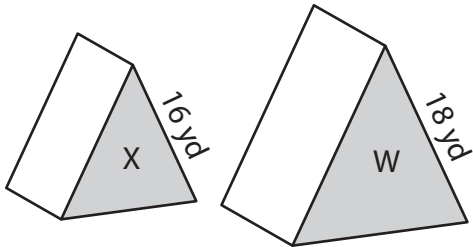
Name : _____

Scale Factors - Volumes

L2S3

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

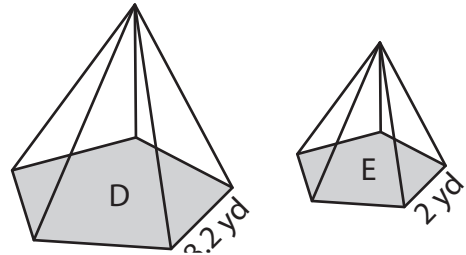
1)



$V = ?$

Volume of figure X = _____

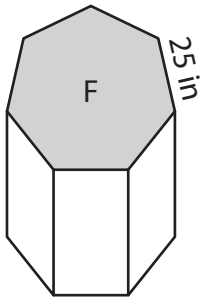
2)



$V = 10 \text{ yd}^3$

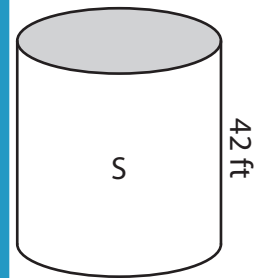
D = _____

3)



$V = ?$

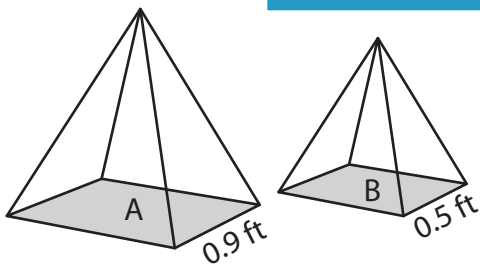
Volume of figure F = _____



$V = 686 \text{ ft}^3$

R = _____

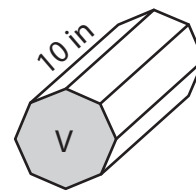
5)



$V = 7.29 \text{ ft}^3$

$V = ?$

Volume of figure B = _____



$V = 24 \text{ in}^3$

$V = ?$

Volume of figure U = _____

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Name : _____

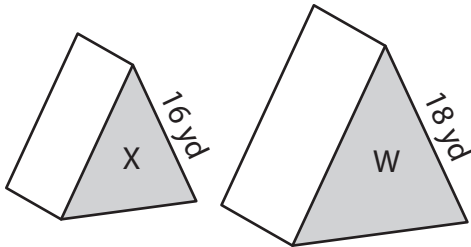
Answer key

Scale Factors - Volumes

L2S3

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

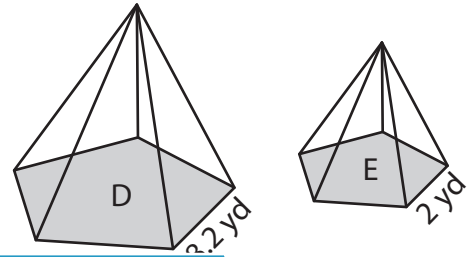
1)



$$V = ?$$

Volume of figure X

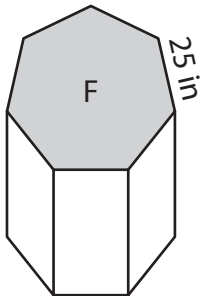
2)



$$V = 10 \text{ yd}^3$$

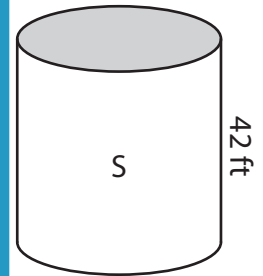
$$D = \underline{698.21 \text{ yd}^3}$$

3)



$$V = ?$$

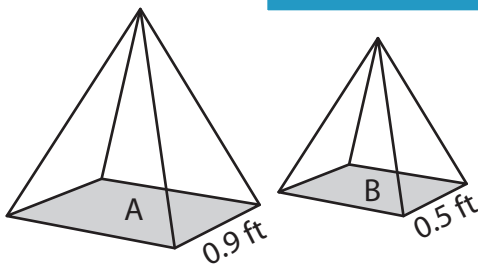
Volume of figure F



$$V = 686 \text{ ft}^3$$

$$R = \underline{432 \text{ ft}^3}$$

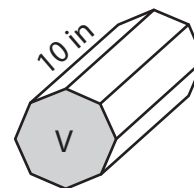
5)



$$V = 7.29 \text{ ft}^3$$

$$V = ?$$

$$\text{Volume of figure B} = \underline{1.25 \text{ ft}^3}$$



$$V = 24 \text{ in}^3$$

$$V = ?$$

$$\text{Volume of figure U} = \underline{81 \text{ in}^3}$$

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