



opp
 $\tan 47 = \frac{x}{8.5}$
 $x = 9.115134039$

Cone

$$V = \frac{1}{3} \pi r^2 h$$

$$V = \frac{1}{3} \pi (8.5)^2 (9.11513)$$

$$V = 689.6512514$$

Cylinder

$$V = \pi r^2 h$$

$$= \pi (8.5)^2 (25)$$

$$= 5674.50731$$

+

$$7650.37337 +$$

$$\boxed{7650 \text{ ft}^3}$$

$$\times 62.4$$

$$477,360 \text{ lbs}$$

$$\times .85$$

$$405,756$$

NO!

half sphere

$$V = \frac{4}{3} \pi r^3$$

$$= \frac{4}{3} \pi (8.5)^3$$

$$=$$

$$\frac{1286.220392}{2}$$