

Problem of the Day: Find the volume of the figure.

$$V = \frac{1}{3}Bh \quad B = bh \quad V = \frac{1}{3} \cdot bh \cdot h$$

Plan for the Day:

$$V = \frac{1}{3} \cdot 7 \cdot 8 \cdot 11$$

Get new weekly homework

$$V = \frac{1}{3} \cdot 616$$

Integer quiz (if needed)

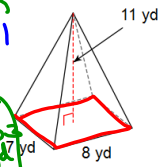
Finish notes (if needed)

More practice with volume of cones

$$V = 205.\bar{3} \text{ yd}^3$$

Objective: We will be able to find the volume of cones.

Happy early Birthday to Britteny Miller!!



Example 4: The construction cone is filled with sand to help keep it in place. If the height of the cone is 18 in. and the diameter is 11 in., how many cubic inches of sand are in the cone?



$$V = \frac{1}{3}Bh \quad B = \pi r^2$$

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

$$V = \frac{1}{3} \cdot \pi \cdot 5.5^2 \cdot 18$$

$$V = 569.91 \text{ in}^3$$