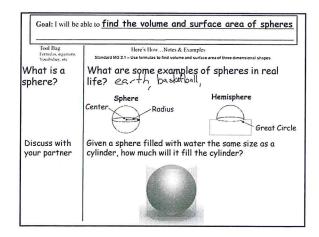
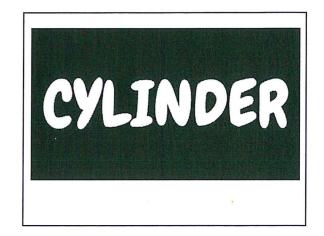
## LESSON DIGITS 13-5/13-6 Spheres





Volume
$$\sqrt{\frac{2}{3}} \text{ Volume of a Cylinder}$$

$$= \frac{2}{3} \left( \frac{\text{Circle height}}{\text{Area. height}} \right)$$

$$= \frac{2}{3} \left( \frac{\text{Circle height}}{\text{Area.}} \right)$$

$$= \frac{2}{3} \left( 2 \pi r^3 \right)$$

$$\sqrt{\frac{4}{3}} \pi r^3 = \frac{1}{3} \left( 4 \pi r^3 \right)$$
Surface
$$\text{Area.}$$

$$= 4 \pi r^2$$

