

The FRAME Routine

Key Topic 3-D Figures

is about...

using formulas to find the surface area and volume

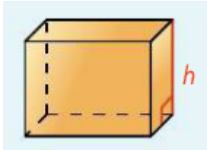
☐ Main idea
Prisms

☐ Main idea
Cylinders

☐ Main idea
Pyramids

Essential details

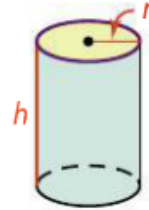
$$LA = ph$$
$$SA = LA + 2B$$



B is rectangle or triangle

Essential details

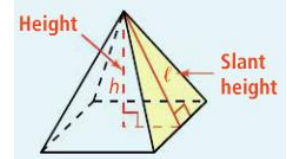
$$LA = 2\pi rh \text{ or } LA = \pi dh$$
$$SA = LA + 2B$$



$$B = 2\pi r^2$$

Essential details

$$LA = \frac{1}{2}pl$$
$$SA = LA + B$$



B is rectangle or triangle

Essential details

$$V = Bh$$

B is rectangle or triangle

Essential details

$$V = Bh$$

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

Essential details

$$V = \frac{1}{3}Bh$$

B is rectangle or triangle

So What? (What's important to understand about this?)

Knowing what formula to use to find surface area and volume is the hardest part of the process

Surface Area

Volume