

$$26. \quad SA = 200 \text{ cm}^2$$

$$p451. \quad d = h$$

$$2r = h$$

$$SA = 2\pi r h + 2\pi r^2$$

$$200 = 2\pi r(2r) + 2\pi r^2$$

$$200 = 4\pi r^2 + 2\pi r^2$$

$$200 = \frac{6\pi r^2}{6\pi}$$

$$\sqrt{10 \cdot 6103} = \sqrt{r^2}$$

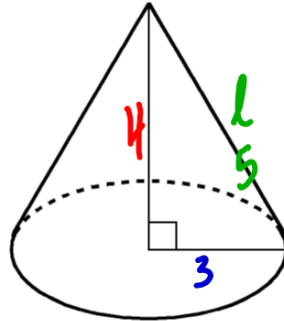
$$3.26 = r$$

cm

7.5 Cones

$$SA = L + B$$

$$SA = \pi r l + \pi r^2$$



$$3^2 + 4^2 = l^2$$

$$9 + 16 = l^2$$

$$\sqrt{25} = \sqrt{l^2}$$

$$5 = l$$

$$SA = \pi r l + \pi r^2$$

$$SA = \pi(3)(5) + \pi(3)^2$$

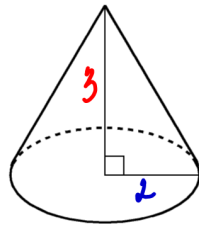
$$SA = 15\pi + 9\pi$$

$$SA = 24\pi$$

$$SA = 75.4 \text{ units}^2$$

$$V = \frac{1}{3} B h$$

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



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

$$V = \frac{1}{3} \pi (12)$$

$$V = 4\pi$$

$$V = 12.57 \text{ units}^3$$

$$r = 5 \quad h = 7$$

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

$$V = \frac{1}{3} \pi (5^2)(7)$$

$$V = \frac{1}{3} \pi (175)$$

$$V = 58.3 \pi$$

$$V = 183.25 \text{ units}^3$$

p465

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