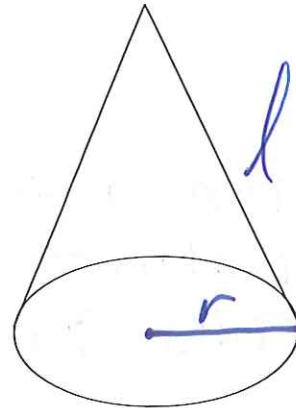


# Surface Area of Cones

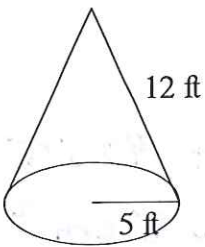
The formula for the surface area of a cone is...

$$S.A = \pi r l + B$$



Find the surface area of each cone below...

1.



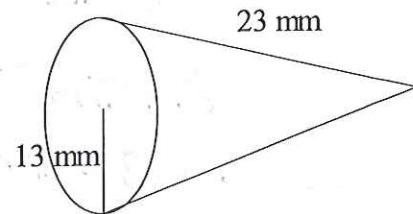
$$\pi \cdot 5ft \cdot 12ft + \pi(5ft)^2$$

$$60\pi ft^2 + 25\pi ft^2$$

$$S.A. = 85\pi ft^2$$

$$S.A. \approx 267 ft^2$$

2.

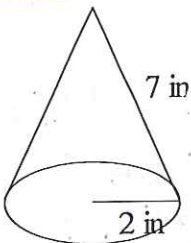


$$299\pi mm^2 + 169\pi mm^2$$

$$S.A. = 468\pi mm^2$$

$$S.A. \approx 1,470.3 mm^2$$

3.

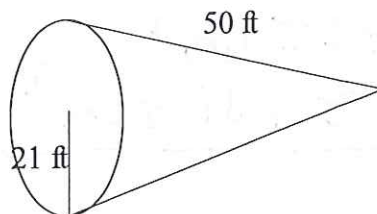


$$14\pi in^2 + 4\pi in^2$$

$$S.A. = 18\pi in^2$$

$$S.A. \approx 56.5 in^2$$

4.



$$1,050\pi ft^2 + 441\pi ft^2$$

$$S.A. = 1,491\pi ft^2$$

$$S.A. \approx 4,684.1 ft^2$$