# Volume and surface area of a cone
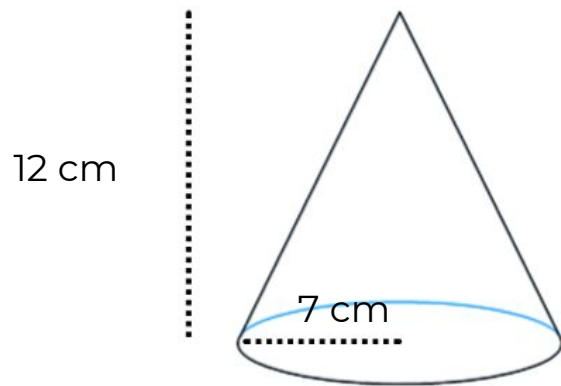
Maths

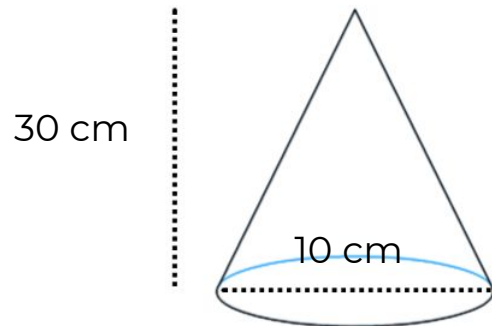Miss Davies

# Volume and surface area of a cone

1.



12 cm

7 cm

a) Calculate the volume of the cone.

b) Calculate the surface area of the cone.

2. A cone has a radius of 15 cm and a height of 20 cm. Work out the volume of the cone.
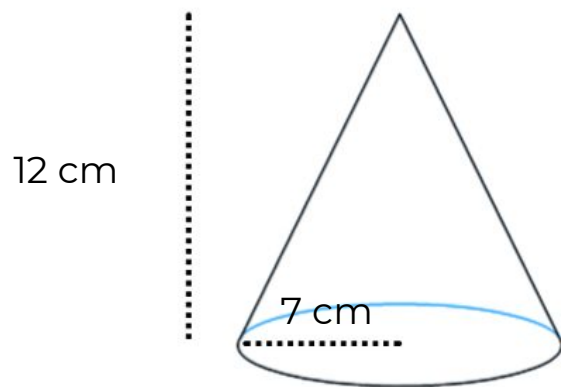
3. Calculate the surface area of the cone.



30 cm

10 cm

# Answers

# Volume and surface area of a cone

1.

12 cm

7 cm

a) Calculate the volume of the cone.

$$616 \text{ cm}^3$$

b) Calculate the surface area of the cone.

$$459 \text{ cm}^2$$

2. A cone has a radius of 15 cm and a height of 20 cm. Work out the volume of the cone. $4710 \text{ cm}^3$

3. Calculate the surface area of the cone.

30 cm

10 cm

$$556 \text{ cm}^2$$