

# Volume and surface area of a pyramid

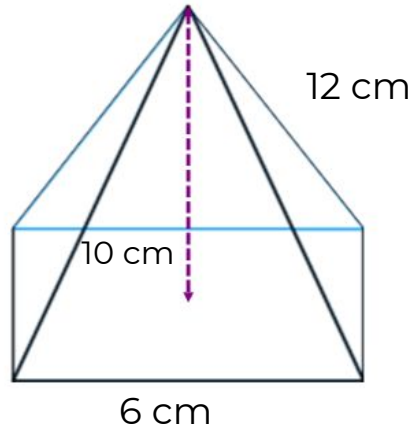
Maths

Miss Davies



# Volume and surface area of a pyramid

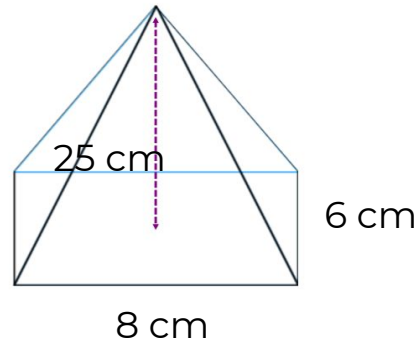
1. Below is a square based pyramid.



- Calculate the volume of the pyramid.
- Calculate the surface area of the pyramid.

2. A triangular based pyramid has a base area of  $21 \text{ cm}^2$  and a height of 12 cm. Work out the volume of the pyramid.

3. Calculate the surface area of the rectangular based pyramid.

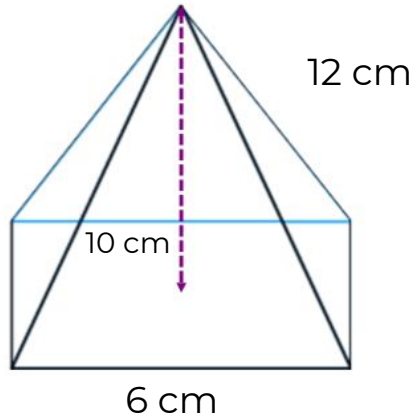


# Answers



# Volume and surface area of a pyramid

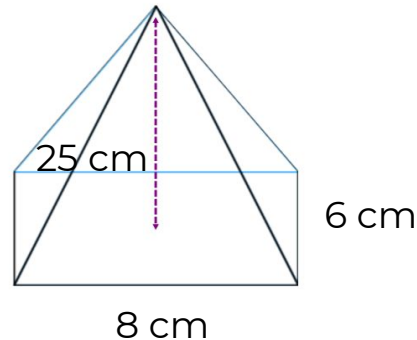
1. Below is a square based pyramid.



- a) Calculate the volume of the pyramid.  $120 \text{ cm}^3$
- b) Calculate the surface area of the pyramid.  $161 \text{ cm}^2$

2. A triangular based pyramid has a base area of  $21 \text{ cm}^2$  and a height of 12 cm. Work out the volume of the pyramid.  $84 \text{ cm}^3$

3. Calculate the surface area of the rectangular based pyramid.



$401 \text{ cm}^2$

