

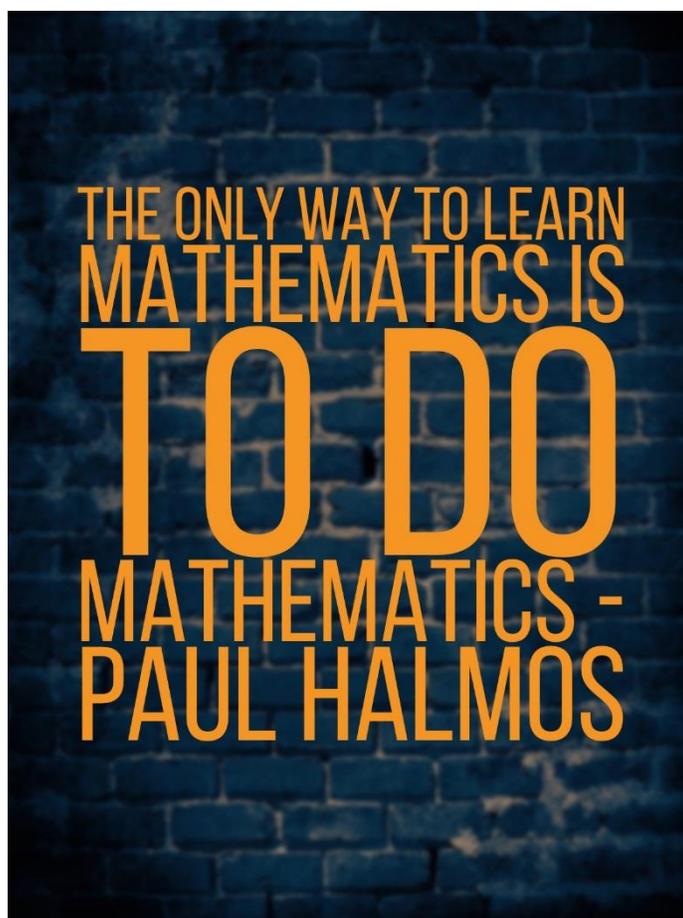


**WeITec**

Te Whare Wānanga o te Awakairangi

**C**

## **Student Mathematics workbook 2020**



**Student name**

**AREA & VOLUME WORKSHEET**

# Area and Volume homework worksheet

1) Calculate the area of a circle with a radius of 20mm

working

answer .....

2) Calculate the volume of water in a hot water cylinder with a 200mm diameter circular top and a height of 1.5m, in both  $m^3$  and  $mm^3$

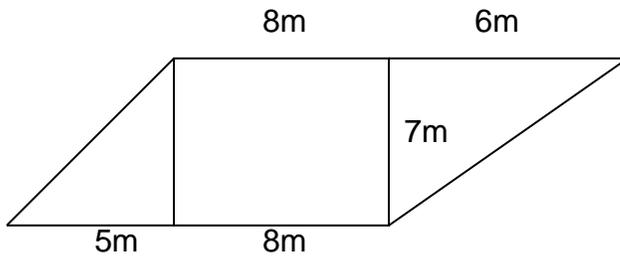
working

answer..... $m^3$

answer ..... $mm^3$

3) Find the area of this shape

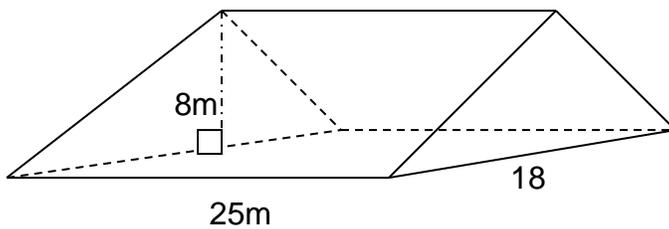
Working.



answer ..... $m^2$

4) How much volume of air is inside this roof space.

working



answer ..... $m^3$

5) A 100m copper cable has 4 cores measuring 8mm diameter. When the copper is melted down and poured into a 500mm diameter container, how high will it be filled. *Use overleaf for extra working*

answer .....m