



Year 8 - Measurement Test

Give answers to 2 decimal places where appropriate.
Write the formula where appropriate and show **all** working.
Calculator allowed.

Questions

1 Complete the following length conversions.

(a) $5.4 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

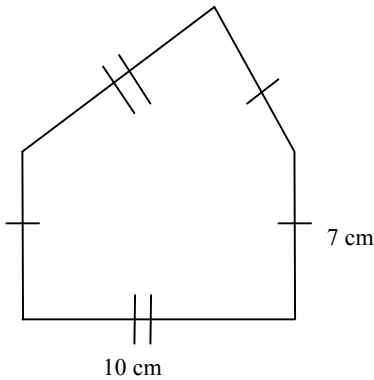
(b) $76.3 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

(c) $5400 \text{ mm} = \underline{\hspace{2cm}} \text{ km}$

3

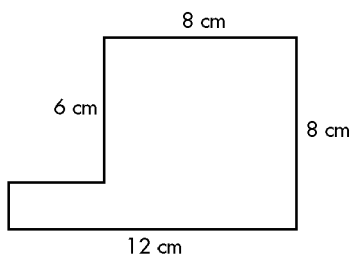
2 Find the perimeter of the following shapes.

a)



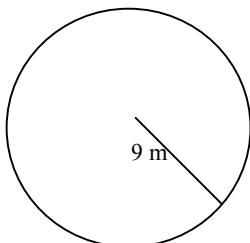
2

b)

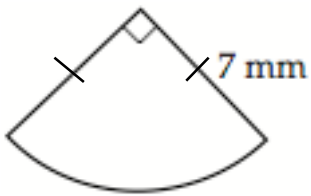


2

3 Calculate the circumference of the circle below.



4 Calculate the perimeter of the shape below.

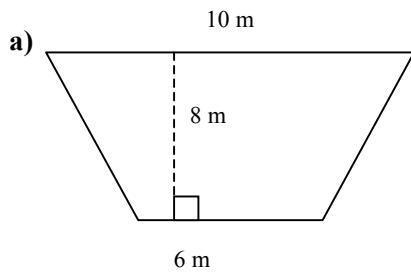


3

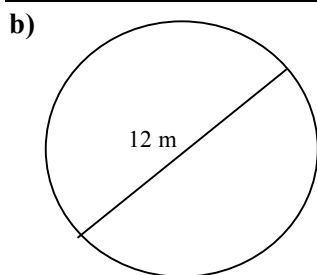
5 Calculate the area of a parallelogram that has a base length of 21 cm and a height of 8 cm.

3

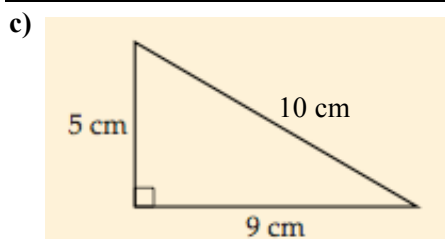
6 Find the area of the following shapes.



3

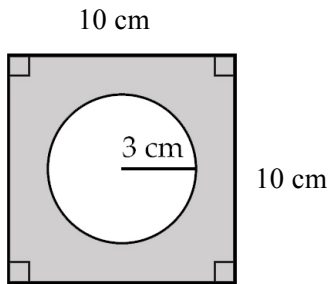


3



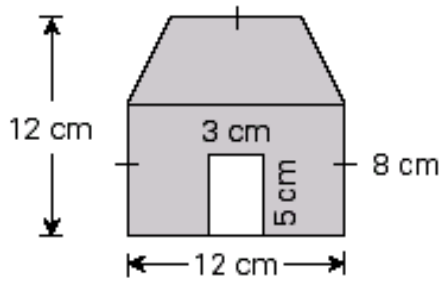
3

7 Find the area of the shaded region in the following figure.



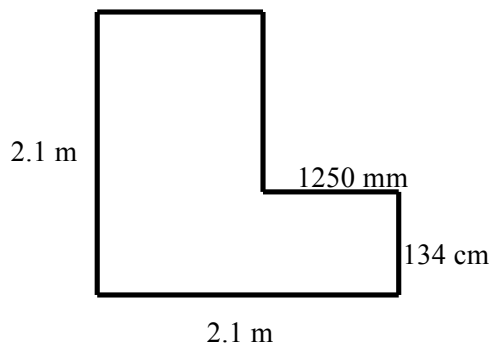
5

8 Alex wants to improve the appearance of his model house that he made for his science project. He is going to paint only the shaded area of the house (not including the door). Given the measurements below, calculate the area to be painted.



6

9 A computer desk needs to have table edging. If the edging cost \$1.89 per metre, find the cost of the table edging required for the desk.



4

Total: out of 40 marks