

**Worksheet: Assessment on measurement, Strand C**

1. Convert the following units as mentioned below.

a)  $1 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

b)  $2.5 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

c)  $250 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

d)  $1.5 \text{ l} = \underline{\hspace{2cm}} \text{ ml}$

e)  $750 \text{ ml} = \underline{\hspace{2cm}} \text{ l}$

f)  $1500 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

g)  $4.5 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

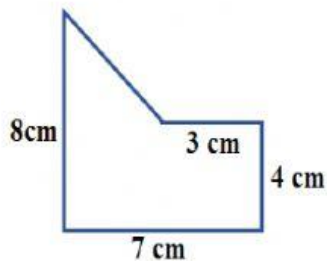
h)  $7 \text{ tonnes} = \underline{\hspace{2cm}} \text{ kg}$

i)  $2500 \text{ kg} = \underline{\hspace{2cm}} \text{ tonnes}$

2. Sonam wants to carpet his sitting room. It is 5 metres long and 4 metres wide. How many square metres of carpet will he need to buy?

Answer:  $\underline{\hspace{2cm}} \text{ m}^2$

3. Calculate the area of the shape given below.



Answer:  $\underline{\hspace{2cm}} \text{ cm}^2$

4. Tashi and his friends want to paint the classroom wall which is 5 metres by 4 metres. If 10 square metres need 1 litre of paint, how much paint will they need to buy to paint all the four walls?

Answer:  $\underline{\hspace{2cm}}$  Litres

5. The volume of the box is 216 cubic centimetres. Find the length of each side of the box.

Answer: \_\_\_\_\_ cm

6. A swimming pool is rectangular in shape. It is 12 metres long, 8 metres wide, and 400 centimetres deep. What is the volume of the swimming pool in cubic metres?

Answer: \_\_\_\_\_ m<sup>3</sup>.

7. How much water is needed to fill a water tank that is 150 cm long, 100 cm wide, and 300 cm deep? (Find the answer in litres)

Answer: \_\_\_\_\_ litres.

8. The volume of a rectangular prism is 120 m<sup>3</sup>. If it is 5 metres long and 4 metres wide, what will be the height of the prism?

Answer: \_\_\_\_\_ metres.

9. Dorji, a farmer from Phobjikha produced 2 tonnes of potatoes. If he gets Nu.40 per Kg, how many ngultrums will he get?

Answer: Nu. \_\_\_\_\_

10. The area of a rectangle is 24 cm<sup>2</sup>. If Karma doubles both the length and width of a rectangle, what will be the area of the new rectangle?

Answer: \_\_\_\_\_ cm<sup>2</sup>.