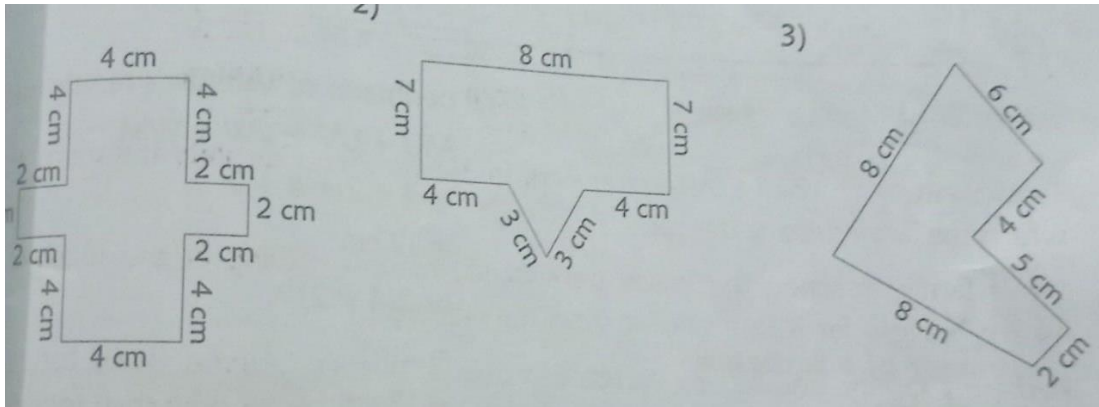


Let's Recall.

A) Find the perimeter of the following figures.

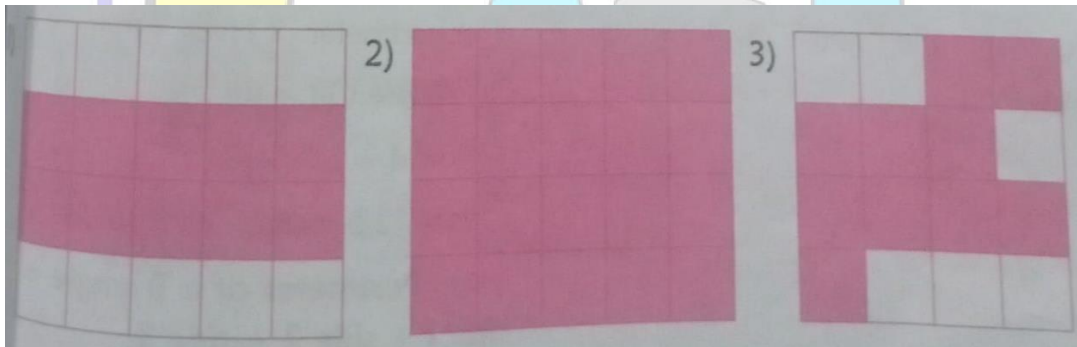


36 cm

36 cm

33 cm

B) Find the area of the following in sq. cm. Take each small square to be 1 sq. cm.



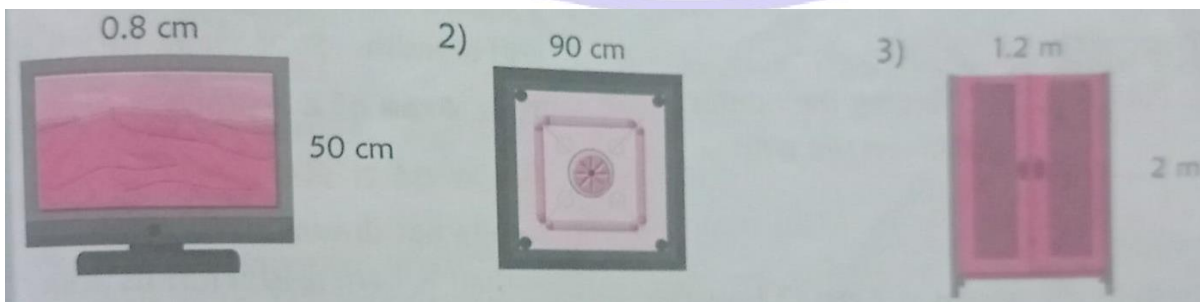
10 sq. cm.

20 sq. cm.

10 sq. cm.

Exercise - 15.1

A) Find the perimeter of the following objects in your house.



1) Sol- length = 0.8 c m

Breadth = 50 c m

Perimeter of a rectangle = $2 (l + b)$

$$= 2 (0.8 \text{ cm} + 50 \text{ cm})$$

$$= 2(50.8 \text{ cm})$$

$$= 101.6 \text{ cm}$$

2) Sol - Side = 90 cm

Perimeter of a square = $4 \times \text{side}$

$$= 4 \times 90 \text{ cm} = 360 \text{ cm.}$$

3) Sol- length = 1.2 m

Breadth = 2 m

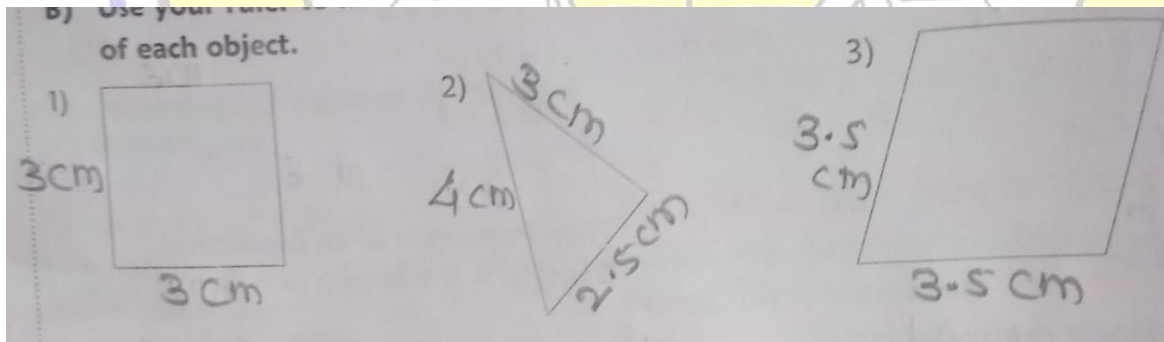
Perimeter of a rectangle = $2 (l + b)$

$$= 2 (1.2 \text{ m} + 2 \text{ m})$$

$$= 2(3.2 \text{ m})$$

$$= 6.4 \text{ m}$$

B) Use your ruler to measure the sides. Then, find out the perimeter of each object.



1) Sol - Side = 3 cm

Perimeter of a square = $4 \times \text{side}$

$$= 4 \times 3 \text{ cm} = 12 \text{ cm}$$

2) Sol- Perimeter of a triangle = Sum of 3 sides

$$= 4 \text{ cm} + 3 \text{ cm} + 2.5 \text{ cm} = 9.5 \text{ cm}$$

3) Sol - Side = 3.5 cm

Perimeter of a square = $4 \times \text{side}$

$$= 4 \times 3.5 \text{ cm} = 14 \text{ cm}$$

C) Solve.

1) One side of a square garden is 18 m. Radha walked around the entire boundary of the garden.

What is distance covered by Radha?

Sol- side = 18 m

Perimeter of a garden = $4 \times \text{side}$

$$= 4 \times 18 \text{ m} = 72 \text{ m.}$$

2) Shantiram Wants to fence his rectangular field measuring 150 m .in length and 180 m. in breadth.

How much wire will he need?

Sol- length = 150 m

Breadth = 180 m

Perimeter of a rectangular field = $2 (l + b)$

$$= 2 (150 \text{ m} + 180 \text{ m})$$

$$= 2(330 \text{ m})$$

$$= 660 \text{ m.}$$

3) A square picture has a frame of 100 cm. What is the length of each side?

Sol- Perimeter of a square = 100 cm

Length = ?

Perimeter of a square = $4 \times \text{side}$

$$100 \text{ cm} = 4 \times \text{side}$$

$$\text{Side} = \frac{100 \text{ cm}}{4} = 25 \text{ cm.}$$

Exercise - 15.2

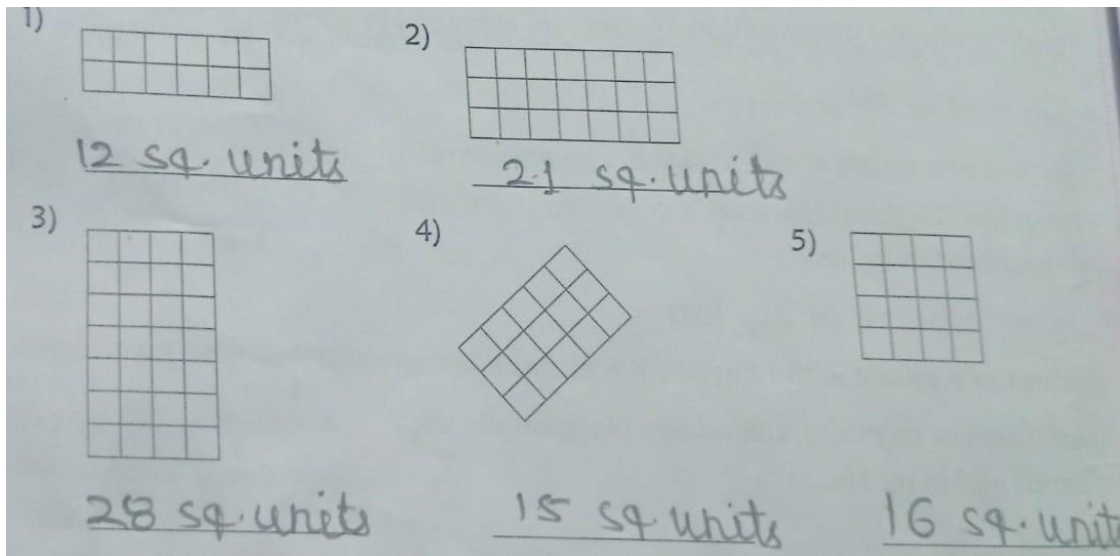
A) From the units given in the box, write down the unit you will use to find the area of the following:

(sq. cm. sq. m. sq. km.)

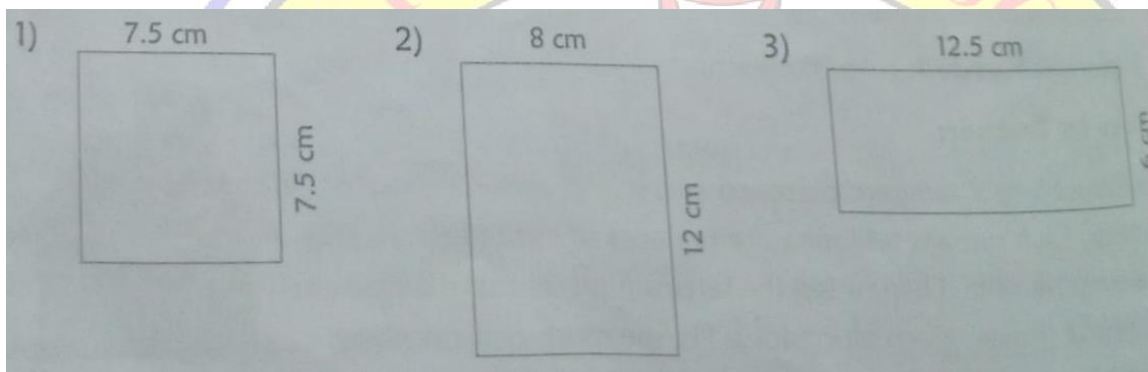
- 1) A swimming pool – sq. m. 2) A table – sq.m. 3) A pillow – sq. cm
4) The city you live in – sq.km 5) A living room – sq.m. 6) An ocean – sq.km.

B) Find the area of the following figure. Give your answer in sq. units.

(Do it mentally.)



C) Find the area of each of the following figures.



1) sol- Side = 7.5 cm

Area of a square = side $\times$ side

$$= 7.5 \text{ cm} \times 7.5 \text{ cm} = 56.25 \text{ sq. cm.}$$

2) Sol- Length = 12 cm

Breadth = 8 cm

Area of a rectangle = length $\times$ breadth

$$= 12 \text{ cm} \times 8 \text{ cm} = 96 \text{ sq. cm.}$$

3) Sol- Length = 12.5 cm

Breadth = 6 cm

Area of a rectangle = length $\times$ breadth

$$= 12.5 \text{ cm} \times 6 \text{ cm} = 75 \text{ sq. cm.}$$

D) Complete the table given below:

	Length	Breadth	Area
1)	7 cm	5 cm	35 sq. cm
2)	6 cm	6 cm	36 sq. cm
3)	7 cm	9 cm	63 sq. cm
4)	14 cm	5 cm	70 sq. cm
5)	8 cm	19 cm	152 sq. cm

E) Solve.

1) If each side of a square measures 3.4 cm. find its area.

Sol- side = 3.4

$$\begin{aligned}\text{Area of a square} &= \text{side} \times \text{side} \\ &= 3.4 \text{ cm} \times 3.4 \text{ cm} = 11.56 \text{ sq.cm.}\end{aligned}$$

2) The length of the rectangle 15 cm. Its breadth is 8 cm .find its area.

Sol- Length = 15 cm

Breadth = 8 cm

$$\begin{aligned}\text{Area of a rectangle} &= \text{length} \times \text{breadth} \\ &= 15 \text{ cm} \times 8 \text{ cm} = 120 \text{ sq. cm.}\end{aligned}$$

3) The area of a rectangular plot is 3450 sq .m. If the breadth is 25m. Find the length of the plot.

Sol- Area of a rectangular plot = 3450 sq.m.

Breadth = 25 m

Area of a rectangular plot = length $\times$ Breadth

$$3450 \text{ sq .m} = \text{length} \times 25 \text{ m}$$

$$\text{So, length} = \frac{3450 \text{ sq.m}}{25 \text{ m}} = 138 \text{ m.}$$