30/11/21 Exercise-14 (A) Ch-14

1. Find the perimeter of the figures given below.

a. Length = 8cm and 3cm

breadth = 2cm

Perimeter = 2 x (Length + breadth)

= 2 x (8+3)

= 2 x 11 = 22cm

b. Length of one side = 6cm

Perimeter = 4 x length of one side = 4 x 6 = 24cm

c. Perimeter = 2 + 3 + 4 = 9cm

d. perimeter = 2 + 2 + 2 = 6cm

e. Length = 5cm 5cm 1cm 1cm 1cm 1cm 1cm

perimeter = 5 + 5 + 1 + 1 + 1 + 1 = 14cm

f. Perimeter = 6 + 7 + 5 = 18cm

g. Length = 2cm 2cm 5cm 5cm 4cm

Perimeter = 2 + 2 + 5 + 5 + 4 = 18cm

Q= Solution

h. Length = 2cm, 2cm, 2cm, 2cm, 2cm, 2cm, 2cm, 2cm

Perimeter = 2+2+2+2+2+2+2+2 = 16 cm

i. Length = 1cm, 1cm, 4cm, 2cm, 2cm, 4cm, 4cm, 5cm

Perimeter = 1+1+1+2+2+4+4+5 = 20cm

j. Length = 1cm, 1cm, 3cm, 4cm, 4cm, 6cm, 8cm

Perimeter = 1+1+3+4+4+6+8 =

27 cm

2/11/22 14 (A) exercise

2.

2. Find the perimeter of the squares with following sides

a. 8 cm = 32 cm

Length of one side = 8 cm

Perimeter = 4 x length of one side = 4 x 8

b. 10 m = Length of one side = 10 m

perimeter = 4 x length of one side

= 4 x 10 = 40 cm

c. 9 cm 15 cm = Length of one side = 9 cm, 15 cm

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Perimeter = 4 x (9+15) = 24 x 4 =

Perimeter = 4 x length of one side = 4 x 9'15 = 36cm 60cm

d. 12m 14cm = Length of one side = 12 m, 14cm

Perimeter = 4 x length of one side = 4 x 12m, 14cm = 48m 56cm

3. Find the perimeters of the rectangles with the following dimensions,

a. length = 7cm; breadth = 3cm.

Perimeter = 2 x (length + breath)

$= 2 \times (7+3) = 10 \times 2 = 20$ cm

b. length = 6m; breath = 4cm

Perimeter = $2 \times$ (length + breath)

$= 2 \times (6+4)$ $10 \times 2 = 20$ $+ 24 = 10$ m 8cm

4. Find the perimeters of the following triangles if the length of each side of the triangle is;

a. 7cm = AB + BC + CA = $7+7+7 = 21$ cm

5. Find the perimeters of the following the triangles with the following dimensions

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a. AB = 8cm ; BC = 6cm ; CA = 7cm = Perimeter = AB + BC + CA = 8 + 7 + 6 = 21cm

Exercise (14A3)

c. Length = 2cm ; breath = 1cm

Perimeter = 2 x (Length + breath)

= 2 x (2 + 1) = 2 x 3 = 6cm

d. Length = 10m 3cm ; breadth = 7m 25cm = Perimeter of a rectangle = 2 x (Length + breath) = 2 x (10m 3cm + 7m 25cm) = 2 x (17m 28cm)

= 34m 56cm

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~~= 2 x 9 = 3~~

Exercise 14AC4)

b. 9m = AB + BC + AC = 9+9+9 = 27

c. 8m 5cm = AB + BC + AC = 5 ~~+ 5~~ + 5

8+8+8 5+5+5 = 24m 15cm

d. 11m 10cm = AB + BC + AC = 11 +

11+11 10+10+10 = 33m 30cm

Exercise 14AC5)

b. AB = 4cm; BC = 8cm; CA = 9cm

Perimeter = AB + BC + CA = 4+8+9

21cm

c. AB = 7cm; BC = 4.5cm; CA = 3.5cm

Perimeter = AB + BC + CA = 7 + 4.5 + 3.5 = 15.00

d. AB = 12m ; BC = 11m ; CA = 9m 7cm

= Perimeter = AB + BC + CA = 12m + 11m + 9m 7cm = 32m 7cm

02/12/21 Exercise (14A)

6.Sd The length ~~of~~ and breadth is given, so it is a rectangle floor,

Perimeter of ~~the~~ rectangle

floor - Length 60m, breadth is 50 m

Perimeter = 2x (length + breadth)

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$= 2 \times (60 + 50) = 2 \times 110 = 220$

m

7. The length and breadth is given, so it is a rectangle cloth.

Perimeter of rectangle cloth

= Length 7m, 2m

perimeter = 2 x (Length + breadth) = 2 (7+2) = 2 x 9 =

18 m

Sol 8. The length and breadth is given. So it is a rectangle

table top

Perimeter of rectangle

table top is Length 150m,

breadth 120m

Perimeter = 2 x (Length + breadth)

= 2 x 150 + 120

= 2 x 270 = 540m

9 sol: The length of all the sides of the triangular park is 200m, 180m and 120m.

Perimeter of the triangular park is - AB + BC + CA = 200 + 180 + 120

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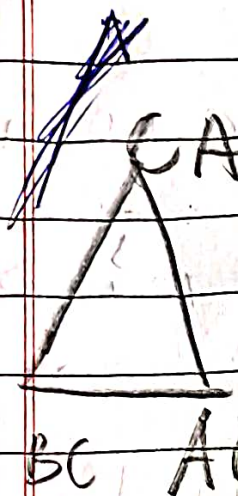
$p_0 = 500 \times 2 = 1000m$

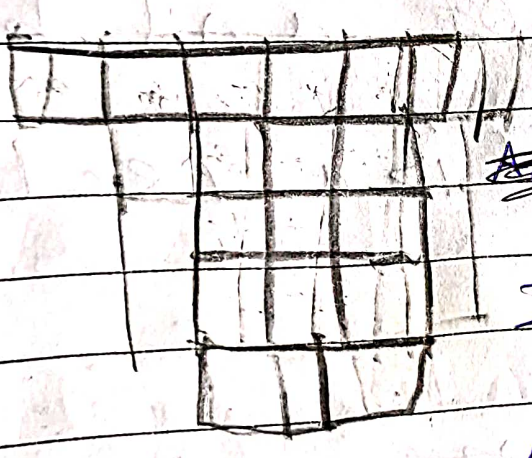


Let: The length of the square garden is 100m.

Perimeter of the square is = 4 x Length of one side = 100×4.

Wire ~~Ben~~ required for fencing around it thrice: $400 \times 3 = 1200m$

02/12/21 Exercise - 14 (B)



Area of square

$= 1\,cm \times 1\,cm = 1\,cm^2$

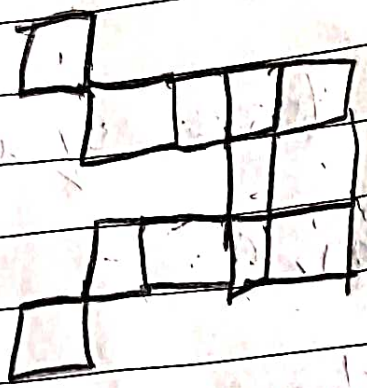
Area of the figure

$1 \times 17 = 17\,cm^2$

Exercise - 14 CBD

1. Find the area of the following figures if each square has an area of 1 cm^2.

c.



Area of square = 1 cm × 1 cm = 1 cm^2

Area of the figure = 12 cm^2

d.

Area of square = 1 cm × 1 cm = 1 cm^2

Area of the figure

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$= 6 cm^2$