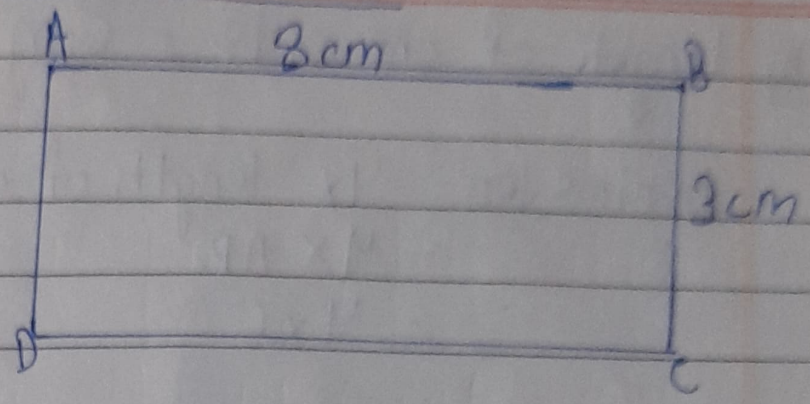
Exercise - 14 (A)

1. a)



a) pe = 2 x (lenghth + Breadth)

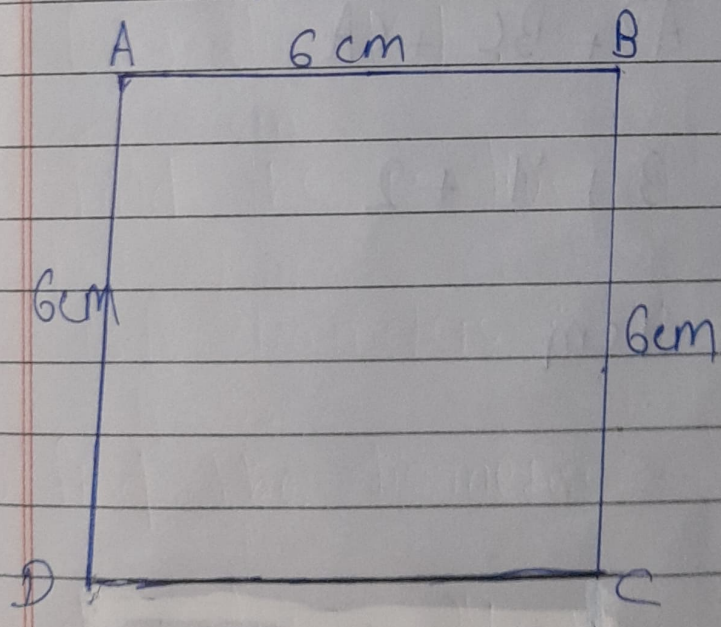
= 2 x (AB + BC)

= 2 x (8+3)

= 2 x 11

= 22 cm

b)



b, lenght of one side = 6cm

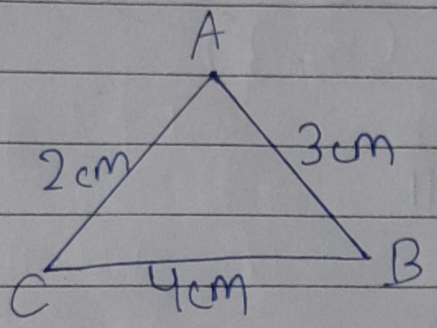
perimeter = 4x length of one side

= 4 x AB

= 4 x 6

= 24 cm

c,

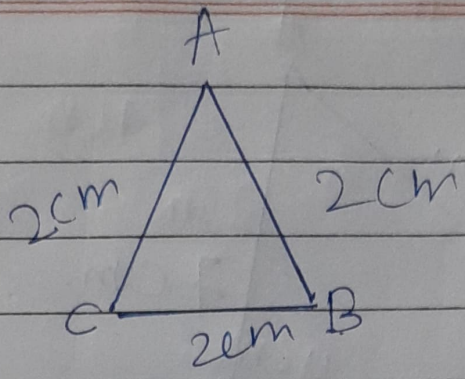


∴ perimeter = AB + BC + CA

= 3 + 4 + 2

= 9 cm

d,

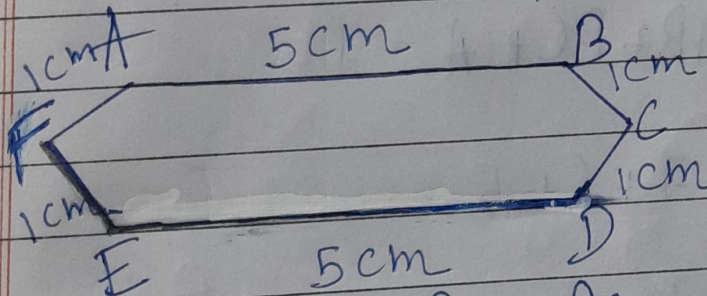


perimeter = AB + BC + CA

= 2 + 2 + 2

= 6 cm

e,

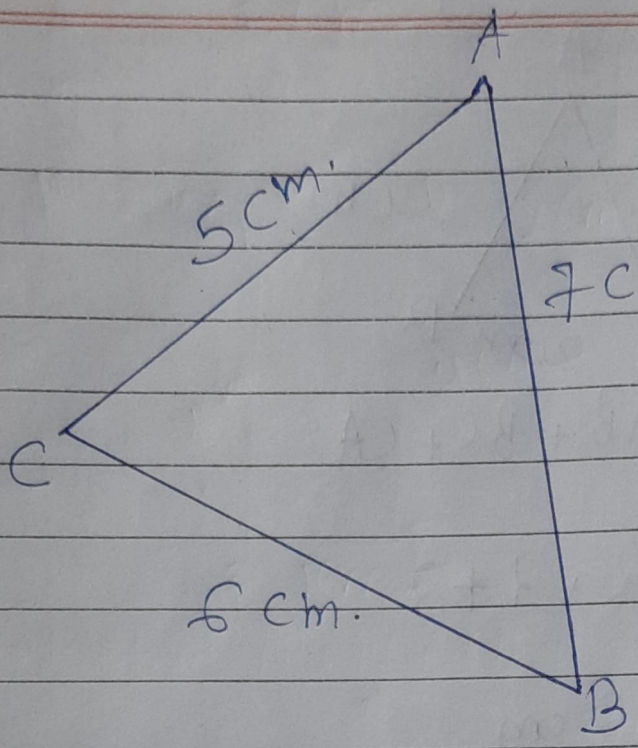


perimeter = AB + BC + CD + DE + EF + FA

= 5 + 1 + 1 + 5 + 1 + 1 + 5

= 19 cm

f.

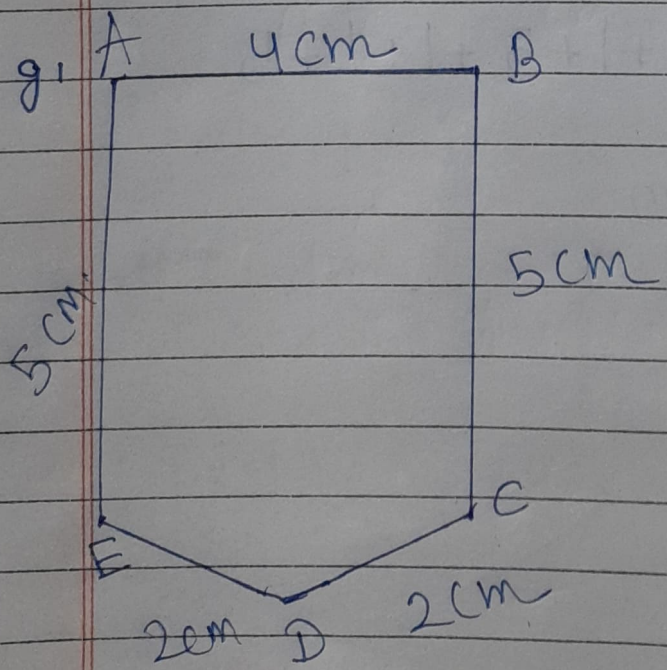


perimeter = AB + BC + CA

= 7 + 6 + 5

= 18 cm

g.



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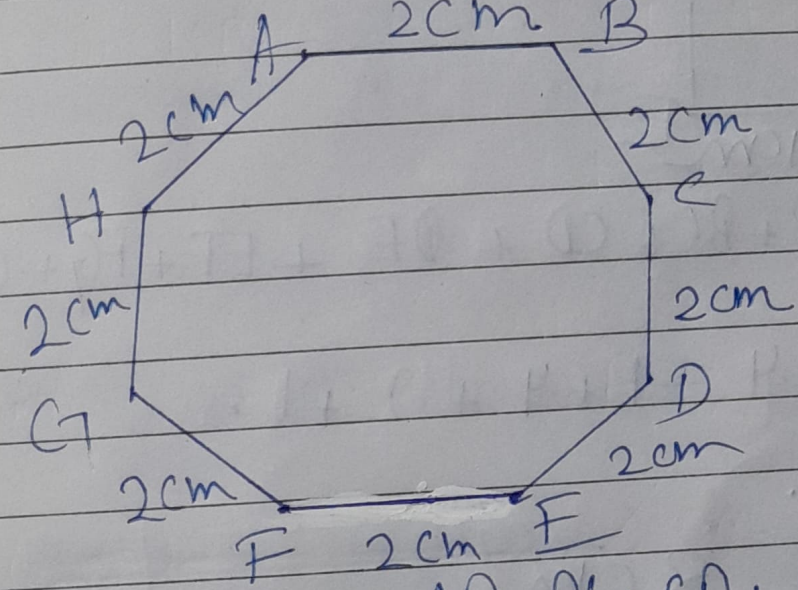
perimeter = AB + BC + CD + DE + EA

= 4 + 5 + 2 + 2 + 5

= 18 cm



perimeter = AB + BC + CD + DE + EF + FG + GH + HA

= 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2

= 18 cm.

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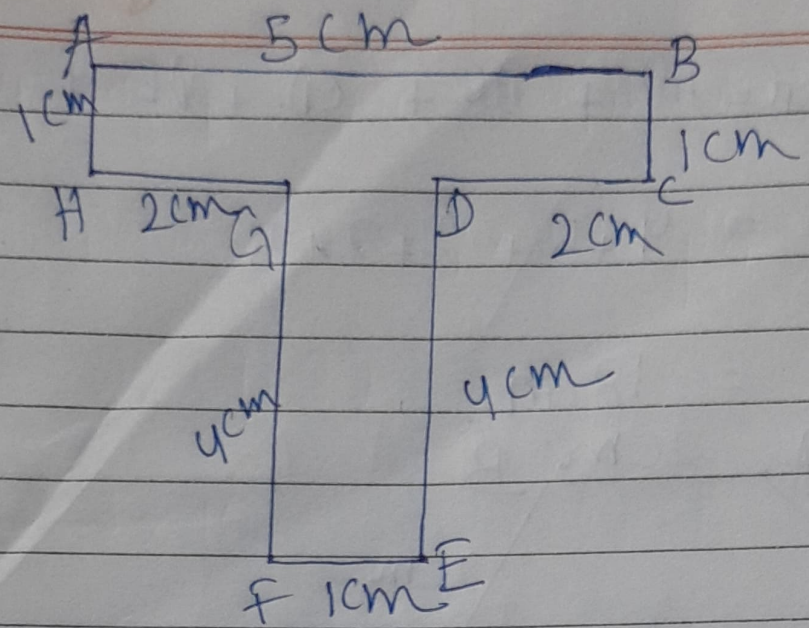
i.

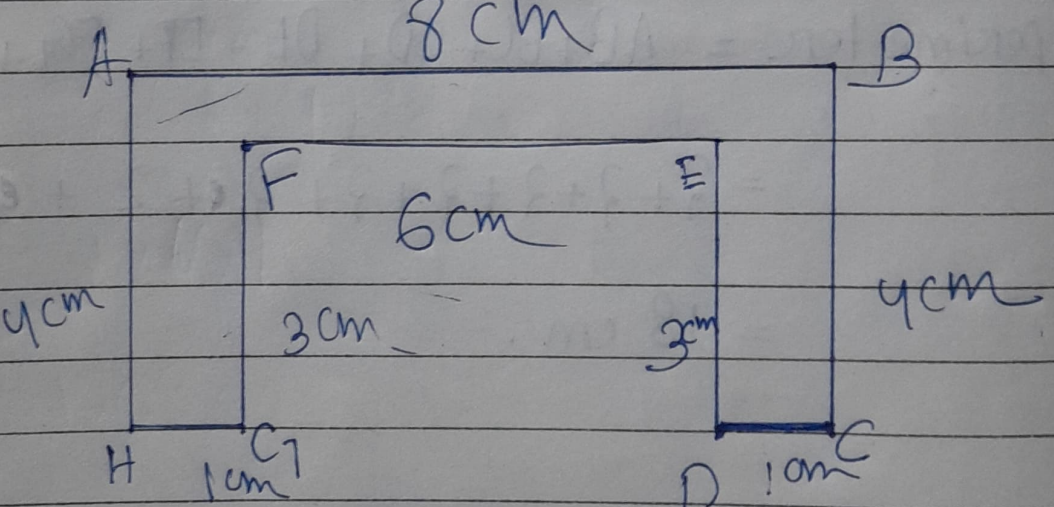


i. perimeter = AB + BC + CD + DE + EF + FG + GH + HA

= 5 + 1 + 2 + 4 + 1 + 4 + 2 + 1.

= 20 cm.

j.



j. perimeter = AB + BC + CD + DE + EF + FG + GH + HA

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

= 30 cm

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2. find the perimeter of the squares.

a, 8cm = 32cm

length of one side = 8cm

perimeter = 4 x length of one side

= 4 x 8

= 32 cm

b, 10cm = 40cm

length of one side = 10cm

perimeter = 4 x length of one side

= 4 x 10

= 40cm

7. (c) Length of one side = 9m 15cm

= 915 cm

perimeter = 4 x length of one side.

= 4 x 915
= 3660 cm
= 36m 60cm.

(d) Length of one side = 12 m 14cm

= 1214 cm

perimeter = 4 x length of one side.

= 4 x 1214
= 4856cm
= 48m 56cm

3. a) length = 7cm, breadth = 3cm.

= perimeter = 2 x (length + breadth)

= 2 x (7 + 3)

= 2 x 10

= 20 cm

b) length = 6 cm, breadth = 4 cm

= perimeter = 2 x (length + breadth)

= 2 x (+ 4)

= 2 x 604

= 1208 cm

3. c) length = 2cm, breadth = 1 cm

perimeters of the rectangles

= 2 x (length + breadth)

= 2 x (2+1)

= 2 x 3

= 6 cm

d) length = 10 m 3 cm

= 1003 cm

Breadth = 7m 25 cm

= 725 cm

= 2 x (length + breadth)

= 2 x (1003 + 725)

= 2 x 1728

= 3456 cm = 34m. 56 cm.

9. a) 7 cm = 21 cm

Side = 7 cm

Perimeter = $\overline{AB} + \overline{BC} + CA$

= 7 + 7 + 7

= 21 cm

b) 9 cm = 27 cm

Side = 9 cm

Perimeter = $\overline{AB} + \overline{BC} + CA$

= 9 + 9 + 9

= 27 cm

4. c, lenght = 8m 5cm

= 805cm

perimeter = 3 x length of one side

= 3 x 805

= 2415cm

= 24m 15cm

d, length = 11 cm 10 cm

= 1110 cm

= length of one side → 110cm

= Perimeter = 3x length of one side.

= 3 x 1110 cm

= 3330 cm

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5. a, perimeter = AB + BC + CA

= 8 + 6 + 7

= 21 cm

b, perimeter = AB + BC + CA

= 4 + 8 + 9

= 21 cm

c, perimeter = AB + BC + CA

= 7 + 4.5 + 3.5

= 15 cm

d, perimeter = AB + BC + CA

= 12 + 11 + 9.7

= 32m 7cm

6. The length of floor = 60 m

The breadth of floor = 50m

perimeter of floor = 2 × (length + breadth)

= 2 × (60 + 50)

= (2 × 110)

= 220 m

So, the perimeter of the floor 220m.

7. The length of a cloth → 7m

The wide of a cloth → 2m

The perimeter of the cloth →

= 2 × (length + breath)

= 2 × (7 + 2)

= 2 × 9

= 18 cm

So, 18 cm lace is required.

8. The length of a table top = 150 m

The breadth of a table top = 120 m

The perimeter of a table top =

= 2 x (length + breath)

= 2 x (150 + 120)

= 2 x 270

= 540.

So, the perimeter is 540.

9. It is a triangle park.

So, perimeter of triangle park =

200m + 180m + 120 m

= 500m

If a man have to cover twice = 500m x 2

= 1000 m

So, If a man goes around the park twice the he have to cover 1000m.

10. It ias a square shape garden.

So perimeter of square garden = length of one side = 100m

perimeter = 4 x length of one side

= 4 x 100

= 400 m x 3 = 1200 m

So, 1200 m wire will be required for fencing around it thrice.