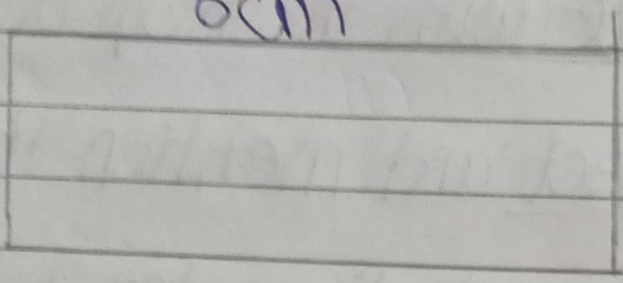
Exercise-14(A)

1

a



Length of rectangle = 8cm

Breadth of rectangle = 3cm

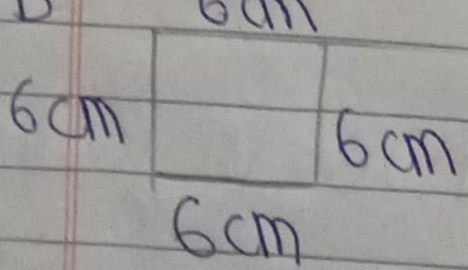
Perimeter of rectangle = 2x(length + breadth)

= 2x(8cm + 3cm)

= 2x 11cm

= 22cm

b



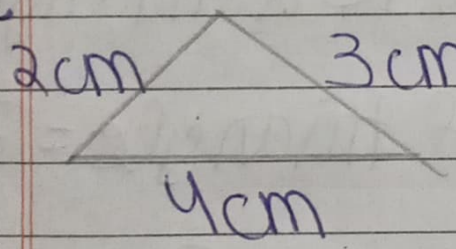
Length of one side = 6cm

Perimeter of a square = 4 x length of one side

= 4 x 6cm

= 24cm

c



Length of one side of triangle = 4cm

Length of second side of triangle = 2cm

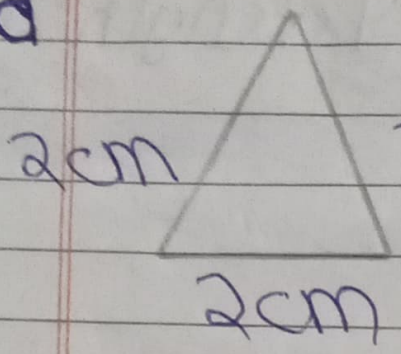
Length of third side of triangle = 3cm

Perimeter of a triangle = Sum of length of all three sides

= 4cm + 2cm + 3cm

= 9cm

d



Length of one side of triangle = 2cm

Length of second side of triangle = 2cm

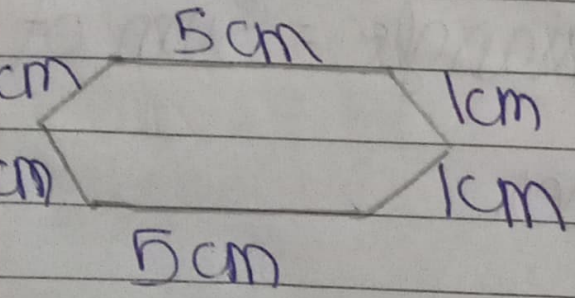
Length of third side of triangle = 2cm

Perimeter of the triangle = Sum of length of all three sides

= 2cm + 2cm + 2cm

= 6cm

e

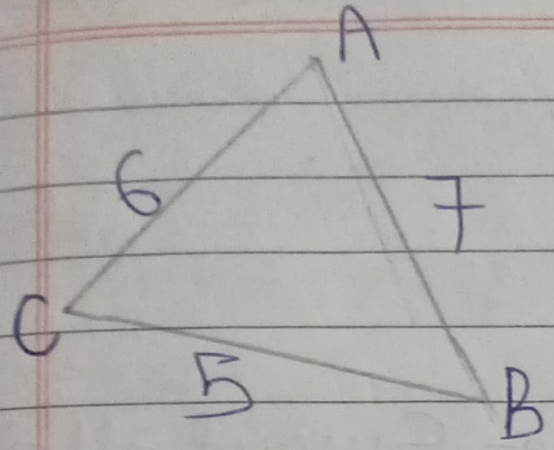


Perimeter of the figure = Sum of all sides

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

= 14

f



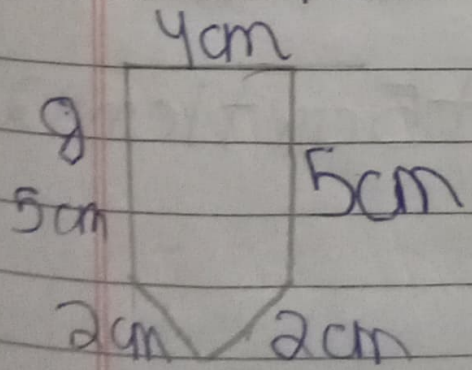
In the triangle AB = 7, BC = 5, CA = 6

Perimeter of triangle = Sum of length of all three sides.

= AB + BC + CA

= 7 + 5 + 6

= 18

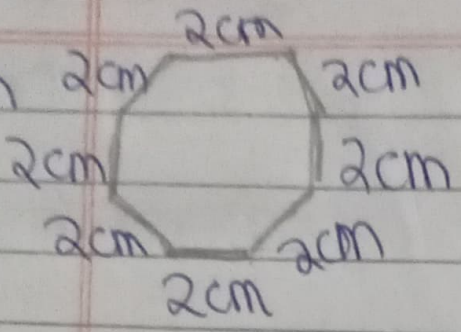


Perimeter of the figure = Sum of all sides

= 4cm + 2cm + 2cm + 5cm + 5cm

= 18

h

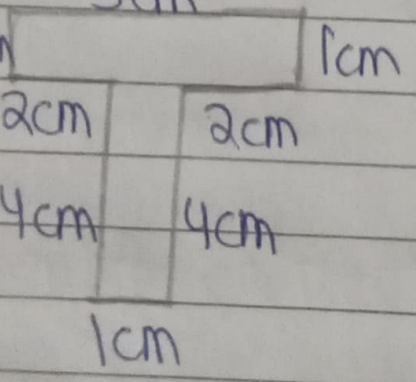


Perimeter of the figure = Sum of all sides

= 2cm + 2cm + 2cm + 2cm + 2cm + 2cm + 2cm + 2cm

= 16cm

i)

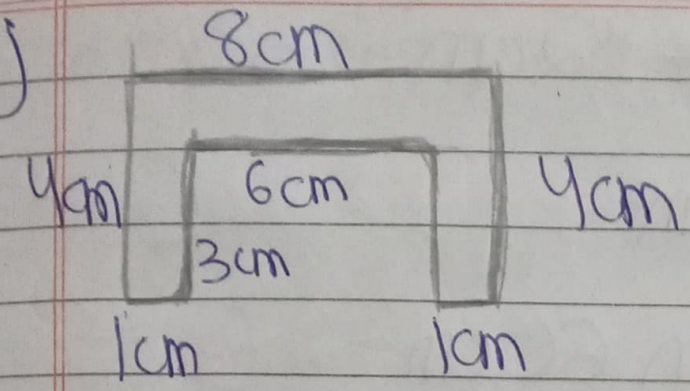


Perimeter of the figure = Sum of all sides

= 4cm + 4cm + 1cm + 1cm + 5cm + 1cm + 2cm + 2cm

= 20 cm

j



Perimeter of the figure = Sum of all sides

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

= 27cm

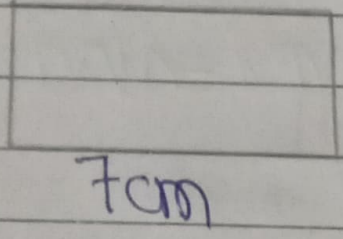
2 a) 8cm × 4 = 32cm

b) 10m = × 4 = 40m

c) 9m 15cm = 36m 60cm

d) 12m 14cm = 48m 56cm

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



Length of rectangle = 7cm

Breadth of rectangle = 3cm

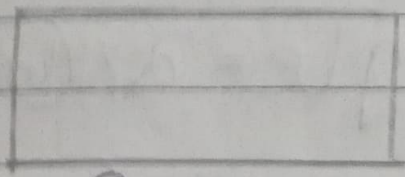
Perimeter of rectangle = 2x (length + breadth)

2x (7cm + 3cm)

= 2x 10cm

= 20cm

b) Length = 6m ; breadth = 4cm



Length of rectangle = 6m = ~~600cm~~

Breadth of rectangle = 4cm

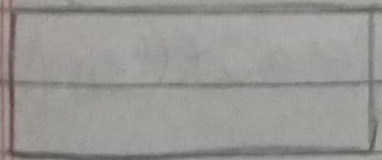
Perimeter of rectangle = 2x(length + breadth)

= 2x(6m + 4cm)

~~= 2x 604cm~~

= 12m ~~8~~ 8cm

c Length = 2cm ; breadth = 1cm



Length of rectangle = 2cm

Breadth of rectangle = 1cm

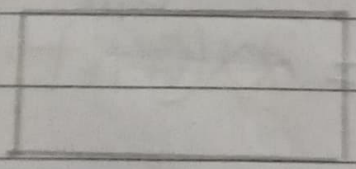
Perimeter of rectangle = 2x (length + breadth)

= 2x (2cm + 1cm)

= 2x3

= 6

d length = 10m 3cm ; Breadth = 7m 25cm



Length of rectangle = 10m 3cm

Breadth of rectangle = 7m 25cm

Perimeter of rectangle = 2x (length + breadth)

= 2x (10m 3cm + 7m 25cm)

= 2x 17m 28cm

= 34m 56 cm

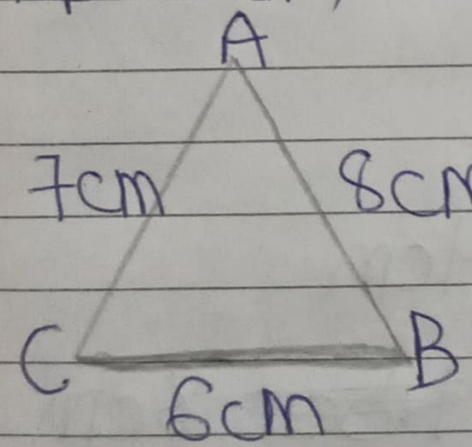
4 a 7cm = 21 cm

b) 9m = 27 cm

c) 8m 5cm = 25m 5 cm

d) 11m 10cm = 33m 33 cm

5 a) AB = 8cm; BC = 6cm CA = 7cm



Length of AB = 8cm

Length of BC = 6cm

Length of CA = 7cm

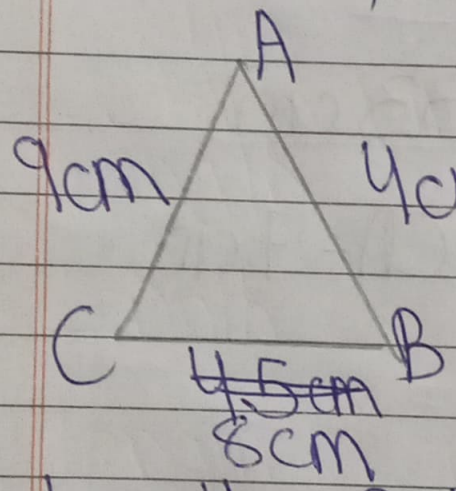
Perimeter of triangle = Sum of length of all three sides

Perimeter of triangle = AB + BC + CA

= 8cm + 6cm + 7cm

= 21cm

b AB = 4cm ; BC = 4.5cm ; CA = 9cm



Length of AB = 4cm

Length of BC = ~~4.5cm~~ 8cm

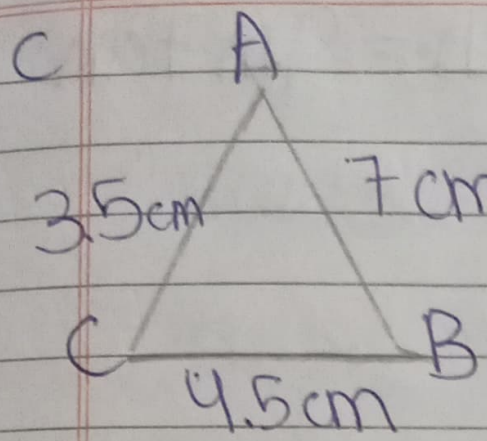
Length of CA = 9cm

Perimeter of triangle = Sum of length of all sides

Perimeter of triangle = AB + BC + CA

= 4cm + ~~4.5cm~~ 8cm + 9cm

= ~~17.5cm~~ 21cm



Length of AB = 7cm

Length of BC = 4.5cm

Length of ~~3.5~~ CA = 3.5cm

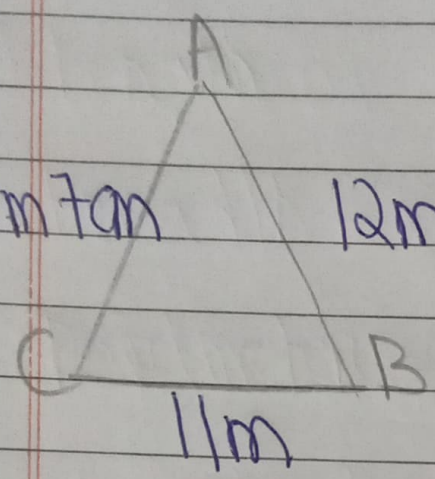
Perimeter of triangle = Sum of length of all three sides

Perimeter of triangle = AB + BC + CA

= 7cm + 4.5cm + 3.5cm

= 15.0cm

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



Length of AB = 12m

Length of BC = 11m

Length of CA = 9m 7cm

Perimeter of triangle = Sum of length of all sides

Perimeter of triangle = AB + BC + CA

= 12m + 11m + 9m 7cm

= 32m 7cm

6) Length of the floor = 60m

Breadth of the floor = 50m

Perimeter of rectangle = 2x(length + breadth)

∴ Perimeter of the floor = 2x(60+50)

= 2x 110m

= 220m

So, the perimeter of the floor is 220m

7) Length of cloth = 7m

Breadth of cloth = 2m

Perimeter = 2x(length + breadth)

∴ Lace required = 2x(7m + 2m)

= 2x 9m

= 18m

So, Seena required 18m to lace it around

8) Length of table top = 150m

Breadth of table top = 120m

Perimeter = 2x (length + breadth)

∴ Perimeter of table top = 2x(150+120m)

= 2x 270m

= 540m

9) Length of one side of triangular park = 200m

Length of second side of triangular park = 180m

Length of third side of triangular park = 120m

∴ Perimeter of triangular park = 200 + 180 + 120m

= 500m

∴ Perimeter of triangular park = 500m

∴ The distance travelled by the man = 500m × 2

= 1000m

10) Length of square shaped garden = 100m

Perimeter of square shaped garden = 4 × sides

= 4 × 100m

= 400m

∴ Perimeter of square shaped garden = 400m

∴ The required wire for fencing = 400m × 3

= 1200m