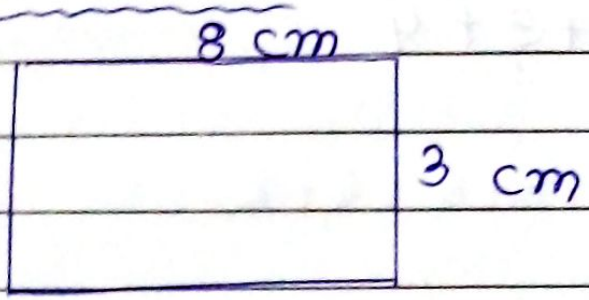
H.W
5/12/2021

Chapter - 14 (Perimeter and Area)

Exercise - 14 (A)

1) Find the perimeter of the figures given below.

a)



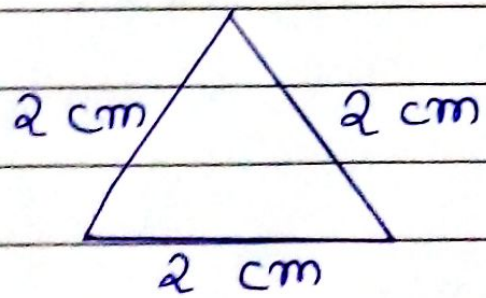

Perimeter = 2 x (length + breadth)

= 2 x (8 + 3)

= 2 x 11

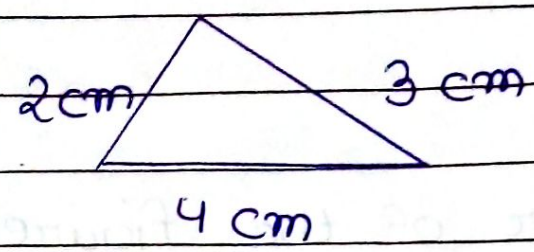
= 22 cm

b)



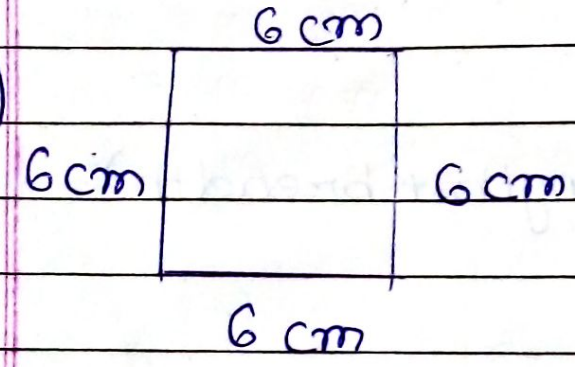

Perimeter = 2 + 2 + 2

= 6 cm

c) 


Perimeter = 2 + 3 + 4

= 9 cm

d) 

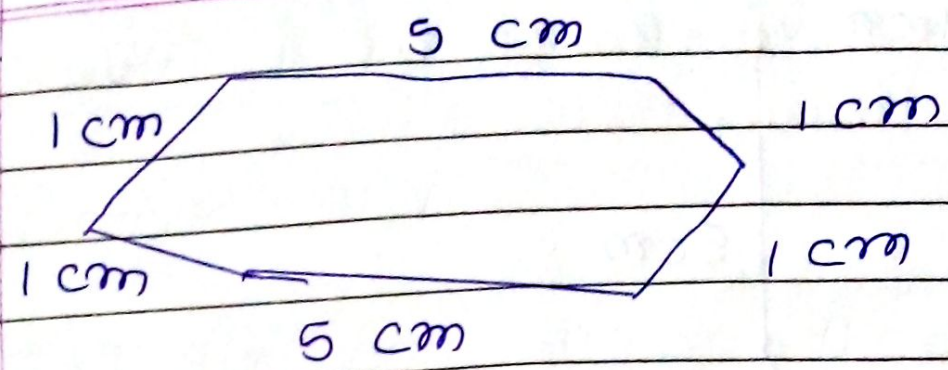

Length of one side = 6 cm

Perimeter = 4 x Length of one side

= 4 x 6

= 24 cm

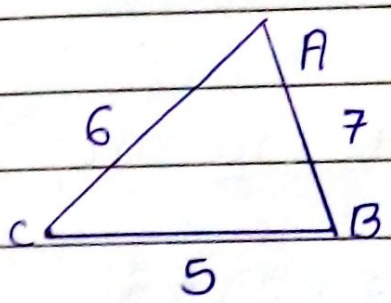
e)




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

= 14 cm

f)

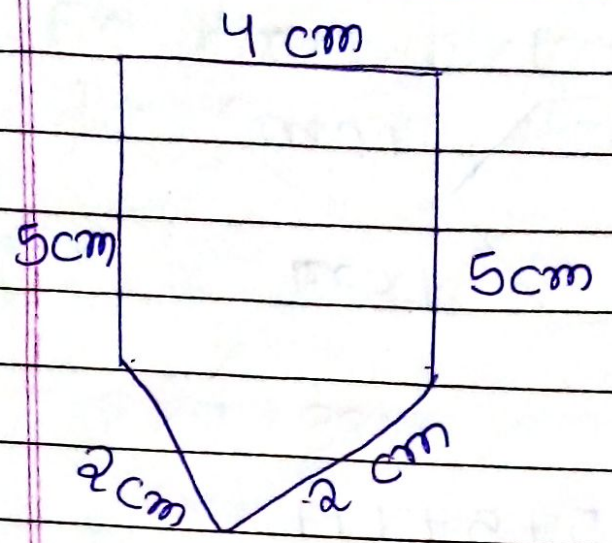



Perimeter = AB + BC + CB

= 6 + 5 + 7

= 18 cm

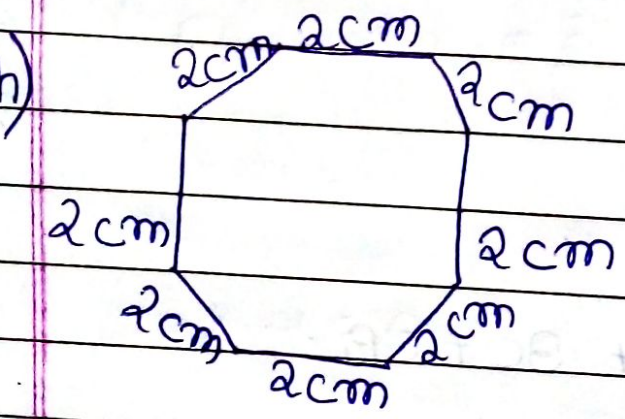
g)




Perimeter = 4 + 5 + 5 + 2 + 2

= 18 cm

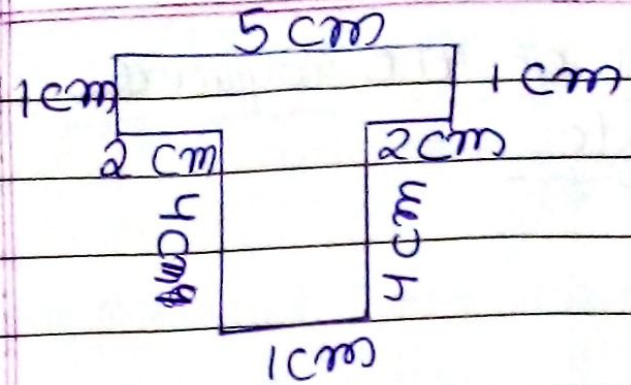
h)




Perimeter = 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2

= 18 cm

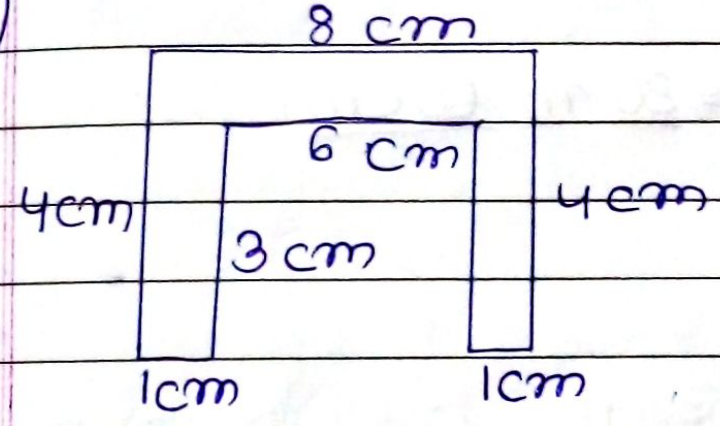
i)




Perimeter = 1 + 1 + 1 + 5 + 2 + 2 + 4 + 4

= 18 cm

j)




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

= 27 cm

2) Find the perimeter of the Squares with the following sides :

a) 8 cm = 32 cm

8 x 4 = 32

b) 10 m = 40 m

10 x 4 = 40

c) 9 m 15 cm = 36 m 60 cm

9 x 4 = 36

15 x 4 = 60

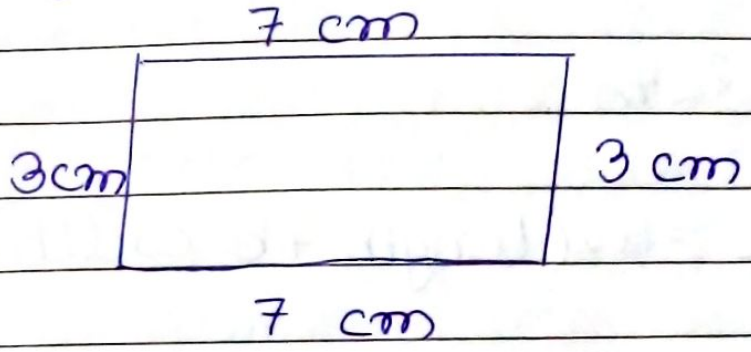
d) 12 m 14 cm = 48 m 56 cm

12 x 4 = 48

14 x 4 = 56

3) Find the perimeters of the rectangles with the following dimensions :

a) Length = 7 cm ; breadth = 3 cm



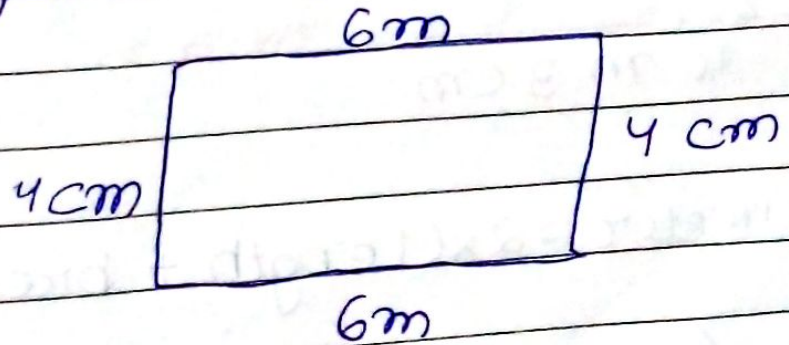

Perimeter = 2 × (length + breadth)

= 2 × (7 + 3)

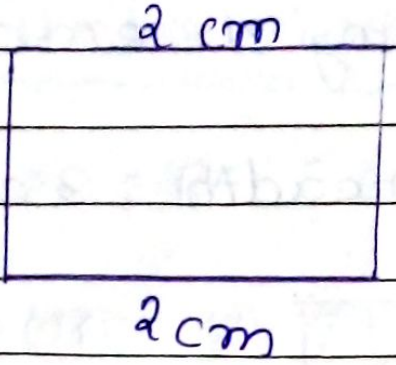
= 2 × 10

= 20 cm

b) Length = 6m ; breadth = 4 cm



c) Length = 2 cm ; breadth = 1 cm



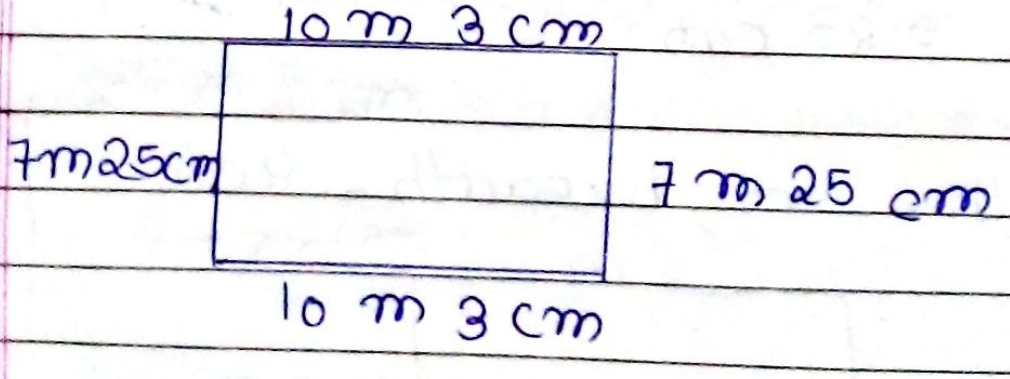

Perimeter = 2 × (Length + breadth)

2 × (2 + 1)

2 × 3

= 6 cm

d) Length = 10 m 3 cm ; breadth = 7 m 25 cm




Perimeter = 2 × (Length + breadth)

2 × (10 m 25 cm)

= 2 × €1728

= 34 m 56 cm

4) Find the perimeter of the following triangles if the length of each side of the triangel is :

a) 7 cm = [illegible] 21 cm

[illegible] 7 × 3 = 21

b) 9 m = [illegible] 27 m

[illegible] 9 × 3 = 27

c) 8 m 5 cm = 24 m 15 cm

8 × 3 = 24

5 × 3 = 15

5) Find the perimeter of the triangles with the following dimensions.

a) AB = 4 cm ; BC = 8 cm, CA = 7 cm = 19 cm

Perimeter = 4 + 8 + 7

b) AB = 4 cm ; BC = 8 cm ; CA = 9 cm = 21 cm

Perimeter = 4 + 8 + 9

c) AB = 7 cm ; BC = 4.5 cm ; CA = 3.5 cm
15 cm

Perimeter = 7 + 5 + 3

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

Perimeter = 12 + 11 + 9 + 7

6) The Length of a floor is 60 m and its breadth is 50 m. Find the perimeter of the floor.

ans- Perimeter = 2 × (Length + breadth)

= 2 × (60 + 50)

= 2 × 110

= 220 m

7) A cloth is 7m long and 2m wide. If Sheena wants to Lace it around, how much Lace is required ?

ans- The Length and breadth is given so it is a rectangle cloth

Length = 7 m breadth = 2m

Perimeter = 2 × (Length + breadth)

= 2 × ( 7+2)

$= 2 \times 9$

$= 18$ cm

8) A table top of wood is of length 150 m and breadth 120m. What is the perimeter?

ans - The length and breadth is given. So it is a rectangle table

Perimeter of rectangle top wood = Length = 150 m, breadth = 120 m

Perimeter $= 2 \times (\text{length} + \text{breadth})$

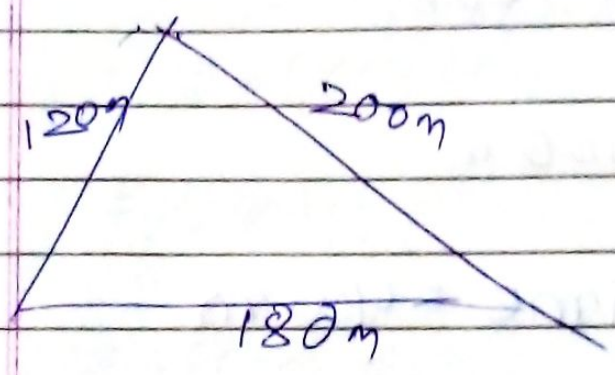
$= 2 \times (150 + 120)$

$= 2 \times 270$

$= 540$ m

9) A triangular park has its side of length 200 m, 180 m and 120 m repectively calculate the distance travelled by a man if he goes around the park twice.

ans-




Perimeter of the tringal = 120 + 200 + 180

$$\begin{array}{r} 120 \\ 200 \\ +\ 180 \\ \hline 500 \end{array} \qquad \begin{array}{r} 500 \\ \times\ 500 \\ \hline 1000 \end{array}$$

Man goes around the park twice = 1000

10) A Square garden is of length 100 m. How much wire will be required for fencing around it thrice?

ans - Perimeter = $4 \times 100$ m

$= 400$ m

Fencing 1 time = 400 m

Fencing 3 time = $400 \times 3 = 1200$ m