ODM EDUCATIONAL GROUP
Changing your Tomorrow

SESSION	**: 16**
CLASS	**: IV**
SUBJECT	**: MATHEMATICS**
CHAPTER NUMBER	**: 14**
CHAPTER NAME	**: PERIMETER AND AREA**
SUBTOPIC	**: PERIMETER, EX-14 A**

LEARNING OBJECTIVE

- **Enable the students to understand how to calculate the perimeter of different geometrical shapes with rules.**

PERIMETER

EXERCISE – 14 (A)

2. Find the perimeter of the squares with the following sides:

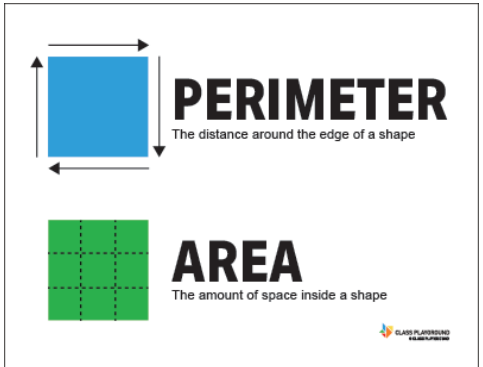
(a) 8 cm = **32 cm**

Length of one side = 8 cm

Perimeter = 4 × length of one side

= 4 × 8

= **32 cm**



PERIMETER

EXERCISE – 14 (A)

2. Find the perimeter of the squares with the following sides:

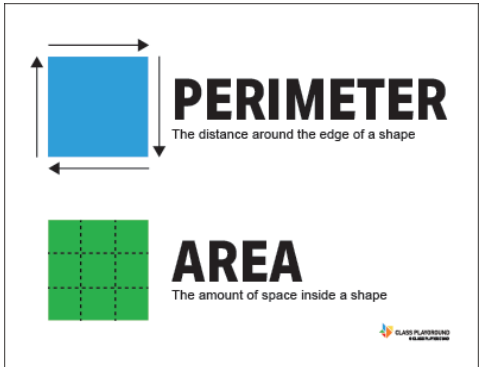
(b) 10 m = **40 m**

Length of one side = 10 cm

Perimeter = 4 × length of one side

= 4 × 10

= **40 m**



PERIMETER

EXERCISE – 14 (A)

3. Find the perimeter of the rectangles with the following dimensions :

(a) Length = 7 cm, breadth = 3 cm **20 cm**

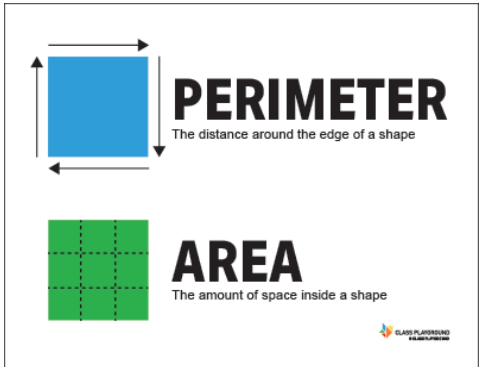
Length = 7 cm, breadth = 3 cm

Perimeter = 2 × (length + breadth)

= 2 × (7 + 3)

= 2 × 10

= **20 cm**



PERIMETER

EXERCISE – 14 (A)

3. Find the perimeter of the rectangles with the following dimensions :

(b) Length = 6 m, breadth = 4 cm **1208 cm**

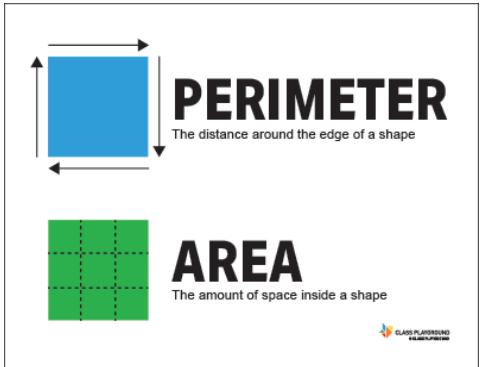
Length = 6 m = 6 X 100= 600 cm, breadth = 4 cm

Perimeter = 2 × (length + breadth)

= 2 × (600 + 4)

= 2 × 604

= **1208 cm**



PERIMETER

EXERCISE – 14 (A)

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

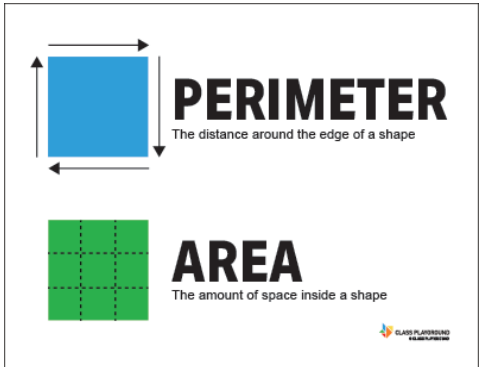
(a) 7 cm **21 cm**

Side = 7 cm

Perimeter = AB + BC + CA

= 7 + 7 + 7

= **21 cm**



PERIMETER

EXERCISE – 14 (A)

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

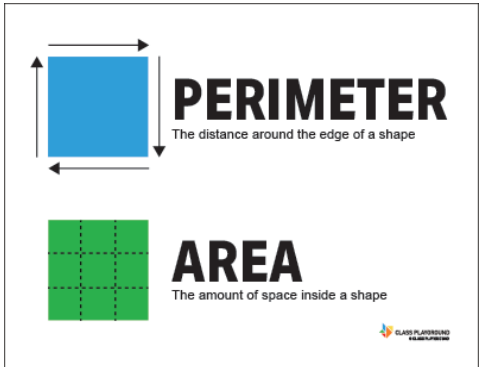
(b) 9 m — **27 m**

Side = 9 m

Perimeter = AB + BC + CA

= 9 + 9 + 9

= **27 m**



PERIMETER

EXERCISE – 14 (A)

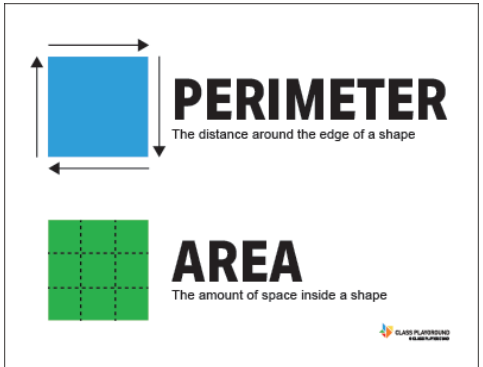
5. Find the perimeter of the triangles with the following dimensions :

(a) AB = 8 cm; BC = 6 cm; CA = 7 cm **21 cm**

Perimeter = AB + BC + CA

= 8 + 6 + 7

= **21 cm**



PERIMETER

EXERCISE – 14 (A)

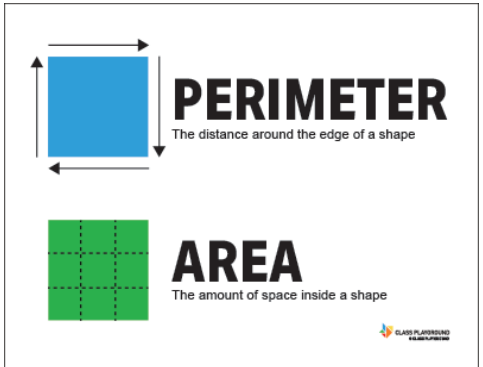
5. Find the perimeter of the triangles with the following dimensions.

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

Perimeter = AB + BC + CA

= 4 + 8 + 9

= **21 cm**



PERIMETER

EXERCISE – 14 (A)

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

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

Perimeter of rectangle floor = Length = 60 m, breadth = 50 m

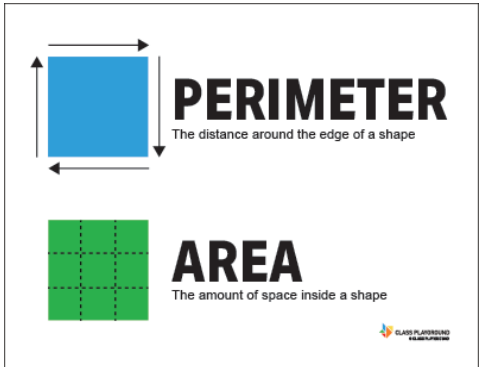
Perimeter = 2 × (length + breadth)

= 2 × (60 + 50)

= 2 × 110

= **220 m**

∴ Perimeter of the floor is **220m**.



PERIMETER

EXERCISE – 14 (A)

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

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

Perimeter of rectangle cloth = Length = 7 m, breadth = 2 m

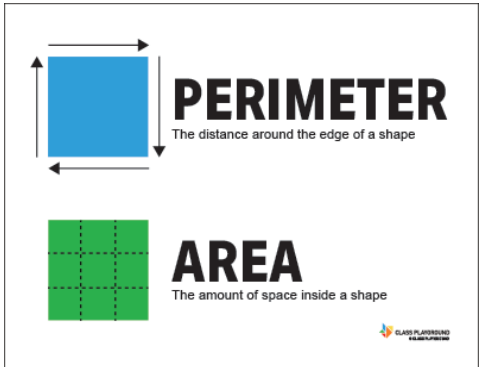
Perimeter = 2 × (length + breadth)

= 2 × (7 + 2)

= 2 × 9

= **18 m**

∴ **18m** cloth is required for lace it around.



PERIMETER

EXERCISE – 14 (A)

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

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

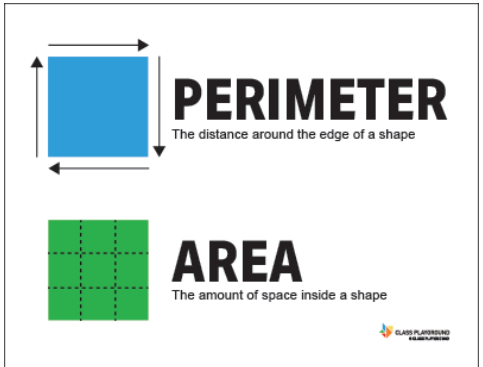
Perimeter of rectangle top wood = Length = 150 m, breadth = 120 m

Perimeter = 2 × (length + breadth)

= 2 × (150 + 120)

= 2 × 270

= **540 m**



∴ **540m** is its perimeter.

PERIMETER

EXERCISE – 14 (A)

9. A triangle park has its sides of length 200m, 180m, 120m respectively. Calculate the distance travelled by a man if he goes around the park twice.

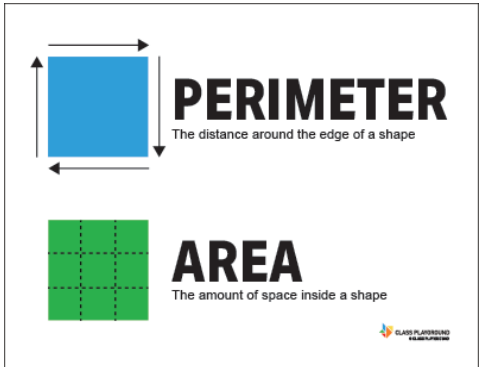
It is a triangle park.

So perimeter of triangle park = 200m + 180m + 120m

= **500 m**

If a man have to cover twice = **500 m × 2** = **1000 m**

∴ If a man goes around the park twice then he have to cover **1000m**.



PERIMETER

EXERCISE – 14 (A)

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

It is a square shape garden.

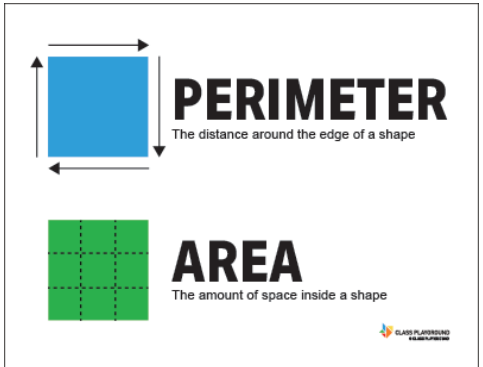
So perimeter of square garden = Length of one side = 100m

Perimeter = 4 × length of one side

= 4 × 100

= **400 m x 3 = 1200 m**

∴ **1200 m** wire will be required for fencing around it thrice.



HOME ASSIGNMENT:

- **Complete Exercise – 14 A in your note book.**

LEARNING OUTCOME:

Students are able to understand how to calculate the perimeter of different geometrical shapes by using the rules.

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THANKING YOU

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