

Math worksheet

~~Perimeter~~ Perimeter and area

A. 1. The length of the boundary of a closed figure is called its perimeter.

2. A square is a figure in which all the sides ~~are~~ ^{are} equal.

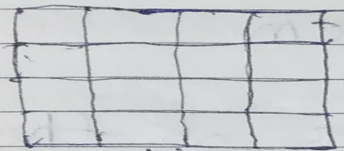
3. Rectangle is a closed figure having ~~ex~~ equal opposite sides.

4. Perimeter of a square = 4 × length of one side

5. The surface enclosed by a 2-D or plane figure is known as its area.

B. 6. Find the perimeter of a triangle in which all sides are 7 cm.

$$\begin{aligned} \text{Perimeter of a triangle} &= 3 \times \\ \text{length of one side} & \\ &= 3 \times 7 \text{ cm} = 21 \text{ cm} \end{aligned}$$



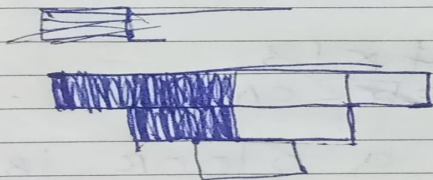
Area of one square = 1 sq. cm

Number of squares = 16

Area of the square = 1×16

= 16 sq. cm . ~~16 sq. cm~~ ~~16 sq. cm~~

Find the area of the above figure if each square has an area of 1 sq. cm .



Area of one shaded square = 1 sq. cm

Number of shaded squares = 3

Area of the shaded squares = $1 \times 3 = 3 \text{ sq. cm}$

Find the area of the shaded region

if each square has an area of 1 sq. cm .

9. Find the perimeter of the rectangle whose length is 7 cm and breadth is 4 cm .

$$\begin{aligned}\text{Perimeter of rectangle} &= 2 \times (\text{length} + \text{breadth}) \\ &= 2 \times (7 + 4) \\ &= 22 \text{ cm}\end{aligned}$$

10. Find the perimeter of the square whose side is 13m.

$$\begin{aligned}\text{Perimeter of square} &= 4 \times (\text{length of one side}) \\ &= 4 \times 13 \\ &= 52 \text{ cm}\end{aligned}$$

C. 11. The length of a floor is 70m and its breadth is 40m.

$$\begin{aligned}\text{Perimeter of the floor} &= 2 \times (\text{length} + \text{breadth}) \\ &= 2 \times (70 + 40) \\ &= 220 \text{ cm}\end{aligned}$$

2. A square shaped garden is of length 75m. How much wire will be required for fencing around it thrice? Also write the importance of plant in our life.

Perimeter of square shaped garden
 $= 4 \times (\text{length of one side})$

$$= 4 \times 75\text{m} = 300\text{m}$$

$$3 \times 300\text{m} = 900\text{m}$$

3. A cloth is 8m long and 5m wide. If Leena wants to lace it around, how much lace is required?

Perimeter of rectangle =

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

$$= 2 \times (8 + 5)$$

$$= 26\text{m}$$

14. Write the formulas to find the perimeter of square, rectangle and triangle.

Perimeter of square = $4 \times$ (length of one side)

Perimeter of rectangle = $2 \times$ (length + breadth)

Perimeter of ~~square~~ triangle = $3 \times$ (length of one side)

15. A triangular field has its sides of length 130m, 110m and 90m respectively. Calculate the distance travelled by a woman if he goes around the field twice.

Perimeter of triangular field = ~~3 ×~~

~~3 ×~~ (sum of all sides) $(AB + BC + CA)$

$$= 3 \times (130 + 110 + 90) = 330 \text{ m}$$

$$330 \times 2 = 660 \text{ m}$$