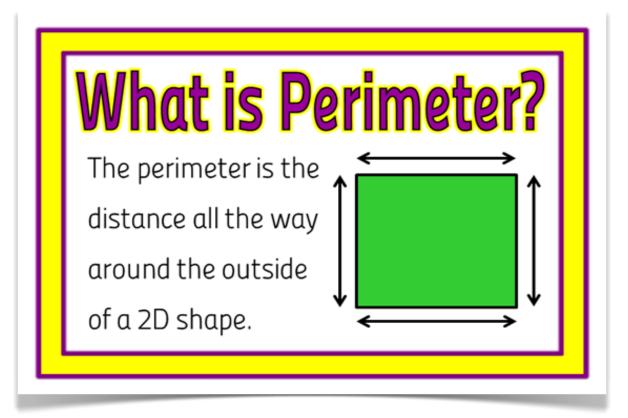
PARAGON CONVENT SCHOOL

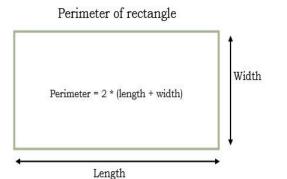
SECTOR 24 - B CHANDIGARH

Chapter 13 Perimeter and Area

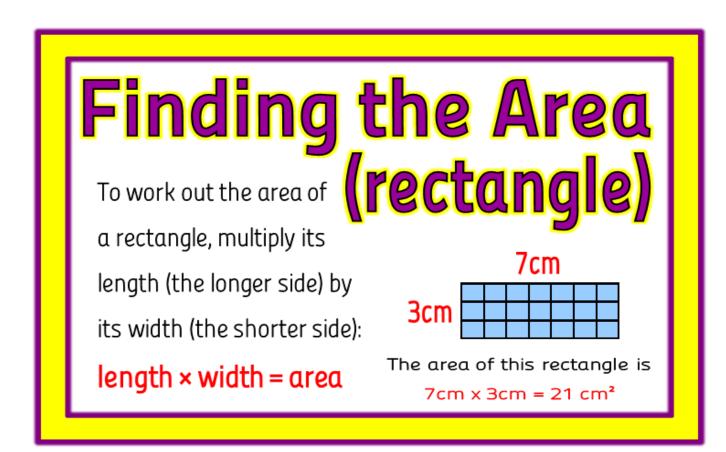


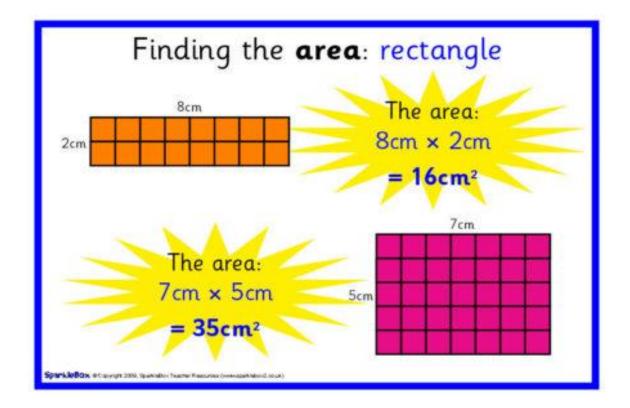
Perimeter of a Square		
2 cm		
2 cm		2 cm
2 cm		

Perimeter of square = 4 x side



Perimeter of Rectangle = 2 x (length x breadth)





Area of rectangle = length x breadth

Area of square = side x side

ACTIVITY - 3

Q2. Find the perimeter of triangle whose sides are :

Sol. **a.** 8 cm, 7cm and 11 cm = 8 + 7 + 11 = 26cm

b. 21 cm , 24 cm and 30 cm = 21 + 24 + 30 = 75 cm

c. 14 m , 17 m and 20 m = 14 + 17 + 20 = 51 m

Q-3. Find the perimeter of an equilateral triangle whose side is 15cm long .

Sol. Perimeter of Equilateral triangle = 3×3 side

$$= 3 \times 15 = 45 \text{cm}$$

Q-4. The perimeter of an equilateral triangle is 36 cm . Find the side of the equilateral triangle .

Sol. Perimeter = 36cm

$$3 \text{ x side} = 36$$

Side = $36 \div 3$
= $36 \div 3 = 12 \text{ cm}$

Q5. Find the perimeter of Square :

Perimeter of Square = 4 x Side

- a. 14 cm = 4 x side = 4 x 14 = 56 cm
- b. 35 cm = 4 x side = 4 x 35 = 140 cm
- c. 17 m = 4 x side = 4 x 17 = 68 m
- d. 42 m = 4 x side = 4 x 42 = 168 m

Q-6. The perimeter of a square cloth is 220 cm . Find the length of the side of the square cloth .

Sol . Perimeter of square cloth = 220 cm

4 X Side = 220Side = 220 ÷ 4 = 220 ÷ 4 = 55cm

Q7. Find the perimeter of Rectangle :

a. length = 24 cm, breadth = 17 cm

Perimeter = $2 \times (L + B)$ = $2 \times (24 + 17)$ = $2 \times 41 = 82 \text{ cm}$

b. length = 42 cm, breadth = 20 cm

perimeter = $2 \times (L + B)$ = $2 \times (42 + 20)$ = $2 \times 62 = 124$ cm c. length = 36 cm, breadth = 15 cm

perimeter =
$$2 \times (L + B)$$

= $2 \times (36 + 15)$
= $2 \times 51 = 102 \text{ cm}$

Q-8. The length and breadth of a rectangular park are 96 m and 64m respectively . Find the length of the wire needed to fence all around the rectangular park .

Sol. Length = 96 m

Breadth = 64 m

Length of wire needed = Perimeter of park

$$= 2 x (L + B)$$

= 2 x (96 + 64)
= 2 x 160 = 320m

Q-10 Maya has a table cloth of length 2m and breadth 1m . She wants to put a lace all around it . She bought 10 m of lace for this . Is the lace sufficient? Will there be any lace left?

Sol. Length = 2m, Breadth = 1m P = 2 x (L + B) = 2 x (2 + 1)= 2 x 3 = 6 m

Length of lace bought = 10 m

Length of lace needed = 6m

Length of lace left = 10 m - 6 m = 4 m