THE VILLAGE
INTERNATIONAL SCHOOL

Worksheet:11
Chapter11:Perimeter and area

Subject: Mathematics
Class: VI

A. Choose the correct option.

1) If the perimeter of a rectangle with 18 cm length is 50 cm then the breadth is:

    a) 13 cm   b) 26 cm   c) 14 cm   d) 7 cm

2) What is the perimeter of a regular pentagon with a side of 7.5 cm?

    a) 15 cm   b) 45 cm   c) 37.5 cm   d) 30 cm

3) What is the length of the side of a square with an area of 361 sq. cm?

    a) 24 cm   b) 19 cm   c) 21 cm   d) 23 cm

4) The area of a rectangle whose length is 4.5 m and breadth is 60 cm is:

    a) $2.7 \ m^2$ b) $0.27 \ cm^2$ c) $27.0 \ m^2$ d) $2.7 \ cm^2$

5) What is the length of a rectangle with area $4.5 \ m^2$ and breadth 1.5 m?

    a) 2.5 m   b) 25 m   c) $2.5 \ m^2$ d) 3 m

B. Fill in the blanks:

1) A rectangle has a length of 4 cm and breadth of 1 cm; its perimeter is

    _____.

2) A square has a perimeter of 88 cm. The length of its side is _____.

3) An equilateral triangle has a perimeter of 93 cm. The length of its side

    is _____.

4) A square has an area of 64 sq. cm. The length of its side is _____.

5) A rectangle has an area of 24 sq. cm. If its length is 8 cm, the breadth is _____.

C. Answer the following questions.

1) Find the perimeter of a square of side 14.9 cm.

2) Calculate the perimeter of a regular decagon if each of its sides measures 12.6 cm.

3) The perimeter of a regular nonagon is 288 cm. What is the measure of its side?

4) Find the area of a rectangle of length 31 cm and breadth 28 cm.

5) The perimeter of a rectangle is 20 cm and its length measures 6 cm. What is its breadth?

6) Calculate the area of a square whose side measures 48 cm.

7) The area of a field is 15 sq. cm. Express it in sq.mm.

8) The perimeter of a square is 12 mm. What is its area?

9) Ganesh runs twice around a square park of side 40 m. Find the distance covered by Ganesh.

10) Two squares and a rectangle are cut out from a rectangular sheet of dimensions 20 cm by 12 cm. Each square has side 56 mm, the length and breadth of the rectangle are 42 mm and 22 mm respectively. Calculate the area of the remaining sheet. Give your answer in sq.cm.

11) Alpa jogs 3 times around a rectangular park of length 75 m and breadth 56 m. Raghu jogs 2 times around a square park having each side of length 64 m. Who covers less distance?

12) Kethan walks twice around a rectangular park whose length is 154 m and breadth is 128 m. Aman walks three times around a park of dimensions 95 m by 75 m. Who walks more distance and by how much?

13) A wire of length 36 cm is shaped into rectangles having their length and breadth as prime numbers. How many such rectangles can be made? What are their areas?

14) The area of a rectangle is equal to the area of a square of side 36 cm. If the breadth of the rectangle is 27 cm, what is its length?

15) Sheila had a roll of thread. She wound it around a square shaped wooden frame, completing 100 rounds. If a side of the frame is 10 cm in length, find the length of the thread.