

INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics

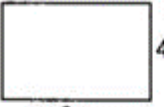

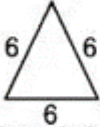

Worksheet 2- Mensuration

OBJECTIVE TYPE (1 Mark)

Q.1.	The amount of surface enclosed by closed figure is							
A	Perimeter	B	Volume	C	Area	D	Capacity	
Q.2.	In which of the following perimeter is not used							
A	Framing a photo	B	Sowing seeds in a field	C	Fencing field	D	Building a boundary wall	
Q.3.	_____ is measured in square units.							
A	Area	B	Perimeter	C	Volume	D	Circumference	
Q.4.	If the length and the breadth of rectangle is double, then the new area of rectangle becomes.							
A	2 times	B	3 times	C	4 times	D	Half of the	
Q.5.	The area of a rectangular field is 1600 sq m. If the length of the field is 80 m, find the breadth of the field.							
A	10m	B	20m	C	30m	D	16m	
Q.6.	Find the perimeter of an isosceles triangle with equal sides 9 cm and the third side is 7cm.							
A	25m	B	18m	C	63m	D	16m	
Q.7.	Find the width of a cardboard if its area is 1125 sq. cm and its length is 25 cm.							
A	50cm	B	60cm	C	30m	D	45cm	
Q.8.	How many cloth pieces of size 50 cm × 20 cm can be cut from a length cloth of size 400 cm × 600 cm for making flags.							
A	550	B	240	C	550	D	330	
Q.9.	Find the length of a square park if Hana goes a round of park and covers 920 m.							
A	170m	B	230m	C	560m	D	190m	
Q.10	Bunty takes 2 rounds of a rectangular park, 50 m long and 25 m wide. Find the total distance covered by him.							
A	2500m	B	750m	C	300m	D	75m	

MATCH THE FOLLOWING/FILL IN THE BLANKS (1 mark each)

Q11.

Shapes	Perimeter
A.  6 Rectangle	(i) 10
B.  Square	(ii) 18
C.  Equilateral triangle	(iii) 20
D.  Isosceles triangle	(iv) 28

(A) - _____ (B) - _____ (C) - _____ (D) - _____

Q12. The length of boundary of a closed figure is called its _____

Q13. Area of a rectangle with length 5 cm and breadth 3 cm is _____.

Q14. Raju runs 4 times around a square track of 400 m length. The total distance covered by Raju _____

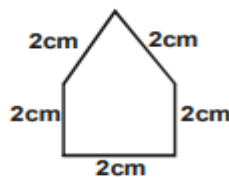
Q15. The perimeter of a regular pentagon with each side measuring 3 cm is _____.

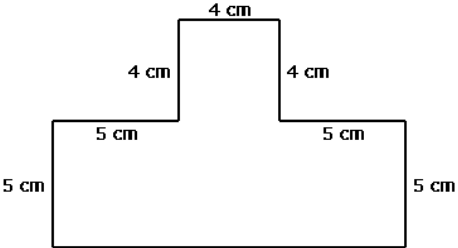
SECTION B (2 marks)

Q16. Shanu wants to put a lace border all around a rectangular table cover 3 m long and 2 m wide. Find the total length of the lace required by Shanu.

Q17. A floor is 7 m long and 5 m wide. A square carpet of side 4 m is laid on the floor. Find the area of the floor that is not carpeted?

Q18. Find perimeter of the given figure



Q19.	Find the cost of tiling the floor of a room at the rate of ₹ 8 per m ² , where the room measures 25 m long and 10 m board.
Q20.	Find the area of the given figure. 
SECTION C (4marks)	
Q21.	A farmer wants to fence his rectangular field with 3 strands of wire. His field is 150m long and 80m wide, and the cost of the wire is ₹ 2 per metre. How much money will he have to spend for the wire?
Q22.	From a rectangular chart paper of size 100 cm by 80 cm, six squares of side 20cm each were cut out. Find the area of the remaining chart paper.
Q23.	A piece of wire is 840 cm long. What will be the length of each side and , if the wire is used to form: (a) an equilateral triangle (b) a square (c) a regular pentagon
Q24.	Priya runs around a square field of side 58m. Prakash runs around a rectangular field with length 170m and breadth 120m. If they take 2 rounds each, Who covers more distance and by how much?
Q25.	How many tiles with dimensions 14 cm and 9 cm will be needed to fit in a rectangular region whose length and breadth are 168 cm and 72 cm respectively?

Answers									
Q1	C, Area	Q6	A, 25m	Q11	a-3 b-4 c-2 d-1	Q16	10m	Q21	Perimeter of rect= 2(150+80)= 460m Total wire= 3x 460 = 1380 Money = 1380x2=Rs. 2760
Q2	B, Sowing seeds in a field	Q7	C,45m	Q12	perimeter	Q17	21m ²	Q22	Area of rect =100x80=8000cm ² Area of sq.=20x20=400cm ² remaining sheet =8000- (400x6)=5,600cm ²
Q3	A , Area	Q8	B,240	Q13	15cm ²	Q18	10cm	Q23	a. 280m b. 210m c. 168m
Q4	C, 4 times	Q9	B,230m	Q14	6400m	Q19	₹ 2000	Q24	Priya- 464m Prakash-1160m More by 696m
Q5	B, b=20m,	Q10	C,300m	Q15	15cm	Q20	86cm ²	Q25	96