

INDIAN SCHOOL AL WADI AL KABIR

Class VI, Mathematics (2024-25)

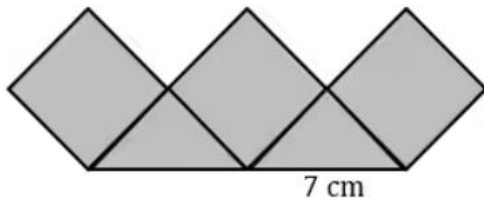
WORKSHEET- PERIMETER AND AREA (MCQ)

Multiple Choice questions

Q.1. Rakhi completed two rounds around a square park of side length 14m. how far did she run?

- A 112m B 121m C 56m D 65m

Q.2. The below figure is made of regular polygons only. The perimeter of this figure is_____.



- A 56cm B 77cm C 70cm D 63cm

Q.3. The side length of a square whose perimeter is 44 cm equals to:

- A 22cm B 11cm C 10cm D 12cm

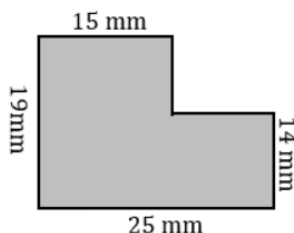
Q.4. Sana ran 32 ft glitter tape along the boundary of her room's wall. If the length of the wall is 12 ft, then the breadth is:

- A 2 ft B 6 ft C 8 ft D 4 ft

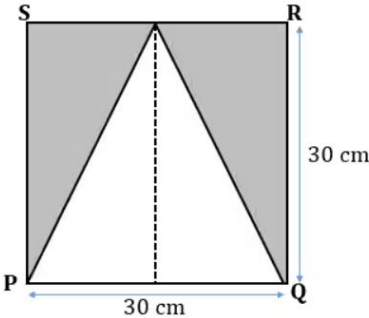
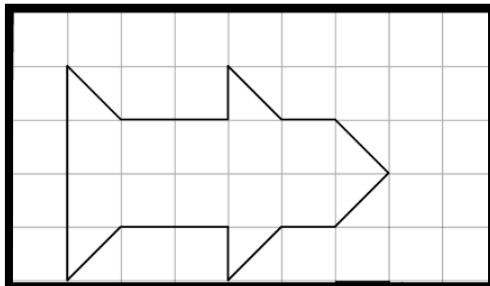
Q.5. The perimeter of an equilateral triangle having side length 5cm is _____.

- A 12cm B 10cm C 15cm D 25cm

Q.6. The area of the given figure (dividing it into rectangles) is:



- A 285 sq.mm B 425 sq.mm C 350 sq.mm D 140 sq.mm

Q.7.	Perimeter of a square and a rectangle is same. If the square has a side length of 24 m and breadth of the rectangle is 10 m, then the length of the rectangle is: (CBQ)							
	A	38m	B	96m	C	48m	D	28m
Q8.	If the perimeter of a square is 36 cm, then its area is_____.							
	A	36 sq.cm	B	18 sq.cm	C	9 sq.cm	D	81 sq.cm
Q9	In the below figure, the area of the shaded region is_____. (CBQ)							
								
	A	900 sq.cm	B	450 sq.cm	C	400 sq.cm	D	420 sq.cm
Q10	The area of the following figure by counting unit squares is_____.							
								
	A	13 sq. units	B	12 sq. units	C	16 sq. units	D	10 sq. units
Q11.	The area of a triangle whose base is 4 cm and height 9 cm is:							
	A	15 sq.cm	B	30 sq.cm	C	36 sq.cm	D	18 sq.cm
	Source Based Questions: Jannu jogged seven rounds along the boundary of a square shaped park of side length 10 m. Payal jogged four rounds along the boundary of a rectangular park of length 7 m and breadth 4 m. Manu jogged around a pentagon park of each side 40 m.  							

Q12	The total distance covered by Jannu is:						
	A	40 m	B	380 m	C	280 m	D 28 m
Q13	The distance covered by Payal is_____.						
	A	44 m	B	88 m	C	22 m	D 80 m
Q14	The distance covered by Manu is:						
	A	200 m	B	240 m	C	250 m	D 300 m
Q15	Who covered less distance among them?						
	A	Manu	B	Jannu	C	Payal	D Both Jannu and Manu
Q16	How much more distance did Jannu run than Manu?						
	A	140 m	B	40 m	C	180 m	D 80 m
	CASE STUDY: Jeevan wants to cover his room's floor which is 4 m wide and 6 m long by squared tiles. Each side of the square tile is 2 m. 						
Q 17	What is the area of the floor?						
	A	24 sq.m	B	20 sq.m	C	10 sq.m	D 20 sq.m
Q 18	What is the area of a tile?						
	A	2 sq.m	B	6 sq.m	C	8 sq.m	D 4 sq.m
Q 19	What will be the cost of paving tiles at the rate of ₹12 per sq. meter?						
	A	₹ 300	B	₹ 200	C	₹ 288	D ₹ 280
Q 20	What is the total number of tiles required to cover the floor of the room?						
	A	12	B	6	C	8	D 4

ANSWERS

1.	A	2.	C	3.	B	4.	D
5.	C	6.	B	7.	A	8.	D
9.	B	10.	A	11.	D	12.	C
13.	B	14.	A	15.	C	16.	D
17.	A	18.	D	19.	C	20.	B