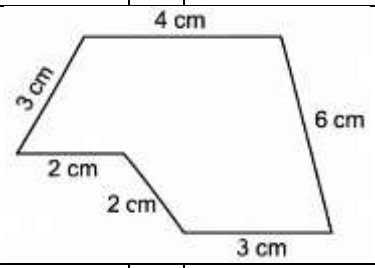
INDIAN SCHOOL AL WADI AL KABIR
Class VI, Mathematics **(2026-27)**
PERIMETER & AREA
MCQ WORKSHEET

Multiple Choice Questions

Q.1	A square playground has a side of 30 m. If a rectangular playground has the same perimeter and its length is 40 m, what is its breadth?							
	A	10m	**B**	25m	**C**	15m	**D**	20m
Q.2	Two rectangles A & B have the same area. Rectangle A measures 8 cm × 9 cm. Rectangle B has a length of 12 cm. What is the breadth of Rectangle B?							
	A	4cm	**B**	6cm	**C**	7cm	**D**	8cm
Q.3	Perimeter of the given figure 							
	A	18cm	**B**	20cm	**C**	16cm	**D**	40 cm
Q.4	A wire in shape of rectangle of length 5cm and breadth 3cm. The same wire used to make a square. The side of the square will be							
	A	3cm	**B**	5cm	**C**	4cm	**D**	8cm
Q.5	An athlete takes 10 rounds of a rectangular park, 40 m long and 30 m wide. Find the total distance covered by him.							
	A	1400 m	**B**	700m	**C**	70m	**D**	2800 m
Q.6	A rectangular notice board is 120 cm long and 80 cm wide. How much area is available for displaying notices?							
	A	200 cm^2	**B**	400 cm^2	**C**	9,600 cm^2	**D**	4,800 cm^2.
Q.7	Two sides of a triangle are 11 cm and 8 cm. The perimeter of the triangle is 26 cm. The third side has length.							
	A	7 cm	**B**	2cm	**C**	3cm	**D**	6cm
Q.8	A farmer wants to make a rectangular vegetable patch measuring 20 m × 8 m. He divides it into smaller rectangular sections of equal size, each measuring 4 m × 4 m. How many sections can he make?							
	A	5	**B**	8	**C**	10	**D**	12

Q.9	The area of a rectangular sheet of paper is 108 cm^2. Its length is 12cm. Find its width.						
	A	8cm	**B**	9cm	**C**	12cm	**D**	6cm
Q.10	Cost of fencing a rectangular park of length 200 m and width 150 m at the rate of ₹ 25 per metre is						
	A	₹22500	**B**	₹17500	**C**	₹16500	**D**	₹15700
Q.11	A rectangular sheet of paper is 24 cm long and 16 cm wide. A square of side 4 cm is cut from one corner. What is the area of the remaining sheet?						
	A	320 cm^2	**B**	400 cm^2	**C**	384 cm^2	**D**	368 cm^2
Q.12	A piece of string is 54 cm long. What will be the length of each side if the string is used to form a regular hexagon?						
	A	9cm	**B**	5cm	**C**	7.5cm	**D**	10cm
Q.13	The area of a rectangle is 630 cm^2 and its length is 35cm, what is its perimeter?						
	A	102 cm	**B**	104 cm	**C**	106 cm	**D**	108 cm
Q.14	A floor is 7m long and 5m wide. A square carpet of sides 4m is laid on the floor. What is the area of floor that is not carpeted?						
	A	$15m^2$	**B**	$16m^2$	**C**	$17m^2$	**D**	$19m^2$

Q.15 **Case Study:** For Diwali, Meera plans to decorate her rectangular living room with wall hangers, diyas, paper garlands and a Rangoli. The room is 8 m long and 6 m wide. She places a decorative border along the boundary of the floor. A rectangular Rangoli measuring 3 m × 2 m is made in the centre. She also makes 4 square wall hangers**,** each having a side of 30 cm, and puts them on the walls.



1) Meera wants to put a decorative lace around each square wall hanger. How much lace is needed for all wall hangers?
2) She wants to put a paper garland along three sides of the room, leaving one shorter side undecorated. How much garland will she need?
3) Meera wants to cover the remaining floor area, excluding the Rangoli, with decorative mats. What area of the floor needs to be covered?
4) Each decorative mat covers an area of 3 m^2**.** What is the minimum number of mats required to cover the remaining floor area?

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ANSWERS

1.	D	**2.**	B	**3.**	B	**4.**	C
5.	A	**6.**	C	**7.**	A	**8.**	C
9.	B	**10.**	B	**11.**	D	**12.**	A
13.	C	**14.**	D	**15.**	1)480 cm 2) 22 m 3)42 m^2 4) 14		