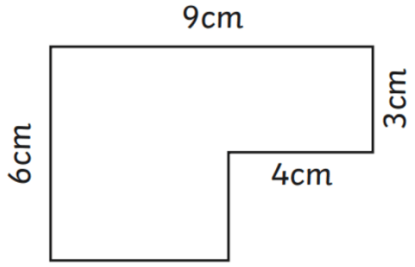
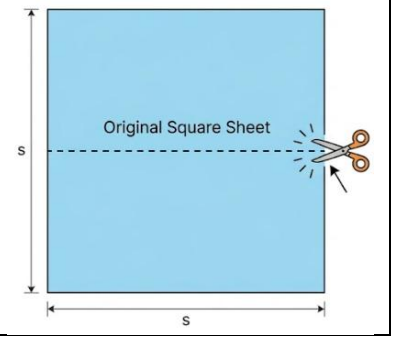
INDIAN SCHOOL AL WADI AL KABIR
MATHEMATICS – CLASS VI (2026-27)
PERIMETER AND AREA – WORKSHEET (DTQ)

SHORT ANSWER TYPE QUESTIONS (2 Marks each)	
Q1.	A regular octagon has side length 7cm. Find its perimeter.
Q2.	A rectangular garden has an area of 360 m² and length 24 m. Find its width.
Q3.	Find the area of a triangle with base 32 cm and height 18 cm.
Q4.	A wire forms a rectangle of length 10 cm and breadth 4 cm. It is reshaped into a square. Find the side of the square.
Q5.	The perimeter of a triangle is 64cm. Two of its sides are 20 cm and 18 cm. Find the third side.
Q6.	Neha has a square with a side length of 5 m. She creates a new square by tripling the side length. What is the perimeter of the new square?
SHORT ANSWER TYPE QUESTIONS (3 Marks each)	
Q7.	Find the area of a rectangle with perimeter 96 cm and length 28 cm.
Q8.	A floor is 6 m long and 5 m wide. A square carpet of side 3 m is placed on it. Find the area of the floor that is not carpeted.
Q9.	A field is 100 m long and 60 m wide. If each tree needs 20 m² of space, how many trees can be planted at most in this field?
Q10.	A regular hexagonal park has each side measuring 15 m. Find the total cost of fencing the park with 3 rounds of wire if the cost of wire is ₹45 per metre.
Q11.	Arjun wants to paint a rectangular wall that is 8 m long and 5 m high. The cost of painting is ₹50 per square meter. What is the total cost of painting the wall?
Q12.	Find the area of the given figure, by splitting to rectangles. 
LONG ANSWER TYPE QUESTIONS (4 Marks each)	
Q13.	A path of width 2 m runs all around the outside of a rectangular playground of size 40 m × 30 m. Find: (i) Area of playground (ii) Total area including path (iii) Area of the path**.**

Q14.	Rohan and Priya start jogging along two concentric rectangular tracks in a park: • Rohan runs along the outer track, which is 80 m long and 50 m wide. He completes 4 rounds. • Priya runs along the inner track, which is 60 m long and 30 m wide. She completes 6 rounds. (i) Find the total distance covered by Rohan. (ii) Find the total distance covered by Priya. (iii) Who ran a longer distance, and by how much?
Q15.	A square sheet of side 8 cm is cut into two equal rectangles along a line through its middle, parallel to a pair of sides. (i) Find the area of each rectangle. (ii) Find the sum of the perimeters of both rectangles. 

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ANSWERS							
Q1.	56 cm	Q2.	15 m	Q3.	288 cm^2	Q4.	7 cm
Q5.	26 cm	Q6.	60 m	Q7.	Width = 20 cm Area =28×20 = 560 cm^2	Q8.	30 – 9 = 21 m^2
Q9.	6000 ÷ 20 = 300 trees	Q10.	270 × 45 = ₹12,150	Q11.	40 × 50 = ₹ 2000	Q12.	42 cm^2
Q13.	(i) 1200 m^2 (ii) 1496 m^2 (iii) 1496 – 1200 = 296 m^2	Q14.	(i) 1040 m (ii) 1080 m (iii) Priya ran a longer distance by 40 m	Q15.	(i) Area of each rectangle = 8 × 4 = 32 cm^2 (ii) 24 + 24= 48 cm		