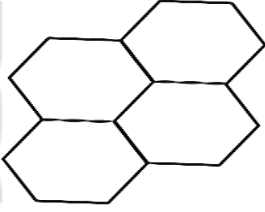|	
Department of Mathematics	**INDIAN SCHOOL AL WADI AL KABIR** **Class VI**, Mathematics (2023-24) **Worksheet DTQ – Mensuration**

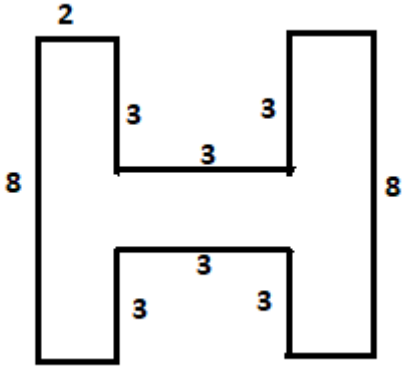### SHORT ANSWER TYPE QUESTIONS- 7 QUESTIONS. (2 Marks each)

Q1.	An equilateral triangle has each side of measure 7cm. Find its perimeter.
Q2.	A square table cloth is of side 4 m. Find the length of lace required to give a border along all four sides of the table cloth.
Q3.	The area of a rectangular field is 2400 sq. m. If the length of the field is 80 m, find the breadth of the field.
Q4.	Ritu bought a rectangular piece of cloth 1 m 75 cm wide and 2 m long. Find the area of the cloth she bought.
Q5.	The perimeter of an isosceles triangle is 21 cm. If the two equal sides are 7.5 cm each, find the length of the third side.
Q6.	The given figure is made of four regular hexagons, each of side 2cm. Find the perimeter of the given figure.
Q7.	Rohan has a rectangular field of length 230m and breadth 180m. He wants to fence it with 5 rounds of rope. What is the total length of rope he must use?

SHORT ANSWER TYPE- 5 QUESTIONS. (3 Marks each)

Q8.	An athlete takes 4 rounds of a rectangular park 128 m long and 96 m wide. Find the total distance covered by the athlete. Express your answer in Kilometers using decimals.
Q9.	A room is 5m long and 4m wide. How many square meters of carpet is needed to cover the floor of the room? If the cost of the carpet is ₹45 per square metre, find the amount of money required for carpeting the floor of the room.
Q10.	A piece of wire is 576 cm long. What will be the length of each side, if the wire is used to form: (a) an equilateral triangle (b) a square (c) a regular hexagon
Q11.	The lawn in front of Lilly's house is 12 m long and 8m wide and the lawn in front of Milly's house is 15.5 m long and 5.5 m wide. They decided to put fencing around the lawn. Who will require more length of fencing and by how much?
Q12.	Four square flower beds of side 3 m each are dug at 4 corners of a rectangular garden of length 15 m and breadth 12 m. Find the area of the remaining piece of land.

LONG ANSWER TYPE- 3 QUESTIONS. (4 Marks each)

Q13.	Sahil wants to cover the floor of his shop 8 m long 5 m wide, with square tiles of side 0.5m. Find the number of tiles required to cover the floor.

Q14.	Vivek walks around a square field of side 150 m. Prakash walks around a rectangular field with length 170 m and breadth 120 m. Who covers more distance and by how much?
Q15.	a) Find the perimeter of the given figure. b) Find the area of the given figure by splitting into rectangles.

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ANSWERS

Q1.	21 cm	**Q2.**	16 m	**Q3.**	30 m
Q.4	3.5 sq.m	**Q5.**	6 cm	**Q6.**	28 cm
Q7.	4100m	**Q8.**	1.792 km	**Q9.**	₹900
Q10.	a)192cm; b)144 cm c)96 cm	**Q11.**	Milly requires more by 2m	**Q12.**	144 sq. m
Q13.	160 tiles	**Q14**	Vivek covers more by 20 m	**Q15**	a)42 units b) 38 sq.cm