



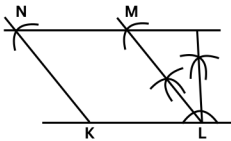
Topic: Understanding Quadrilaterals

Worksheet No. : 4

1. What is the minimum number of measurements needed to construct a square?

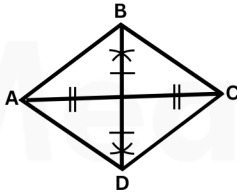
- (A) 1 (B) 2 (C) 3 (D) 4

2. In the diagram, KLMN is a constructed parallelogram. What is the measure of $\angle KLM$?



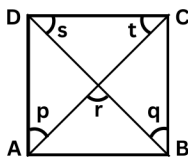
- (A) 15° (B) 30° (C) 45° (D) 60°

3. The construction of which figure is shown in the given figure?



- (A) A trapezium (B) A rhombus
(C) A rectangle (D) A kite

4. In the figure, ABCD is a rhombus. AEC and BED are straight lines.



What is the value of $p + q + r + s + t$?

- (A) 200° (B) 270° (C) 360° (D) 540°



5. In a trapezium ABCD, AB is parallel to CD and the diagonals intersect each other at O. What is the ratio of OA and OC?

- ((A) $\frac{OD}{BC}$ (B) $\frac{BC}{OD}$ (C) $\frac{AD}{AB}$ (D) $\frac{AC}{BD}$

6. In $\triangle ABC$, P and Q are the midpoints of AB and AC. If PQ is produced to R such that PQ = QR. What is PRCB?

- (A) A rectangle (B) A square
(C) A rhombus (D) A parallelogram

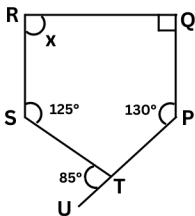
7. Three angles of a quadrilateral are equal and the measure of the fourth angle is 120° . Find the measure of each of these equal angles.

- (A) 80° (B) 120° (C) 60° (D) 140°

8. A quadrilateral has three acute angles, each measuring 75° . Find the measure of the fourth angle.

- (A) 65° (B) 135° (C) 140° (D) 225°

9. In the figure given, PTU is a straight line.



What is the value of 'x'?

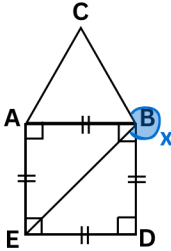
- (A) 100° (B) 110° (C) 120° (D) 130°



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10. Equilateral $\triangle ABC$ is drawn on the side AB of the square ABDE.



Find the measure of 'x' shown in the figure.

- (A) 45° (B) 135° (C) 255° (D) 225°

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