

St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2025-2026 - Worksheet

Class: VIII	Subject: Mathematics	Topic: Underst. Quadrilateral	Worksheet No:13
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Q1: Two adjacent sides AB and BC of a parallelogram ABCD are in the ratio 5 : 3. If the perimeter is 200 cm, what is the length of AB and BC?

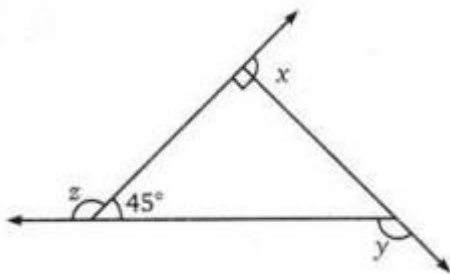
Q2: Five angles of a hexagon are 150° , 95° , 80° , 135° & 125° . Find the sixth angle.

Q3: 15. ABCD is a trapezium with $AB \parallel DC$. If $\angle A = 50^\circ$, then find $\angle D$.

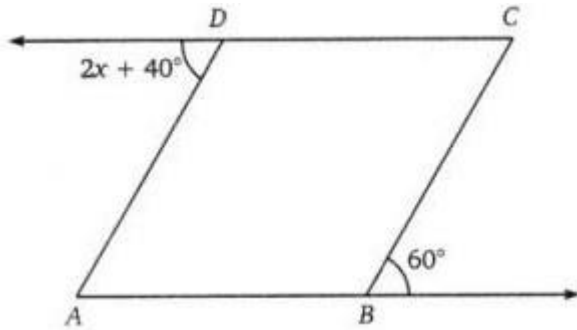
Q4: An exterior angle and the interior angle of a regular polygon are in the ratio 2 : 7. Find the number of sides of the polygon.

Q5: ABCD is a rhombus with $\angle DAB = 56^\circ$. Determine $\angle DBC$.

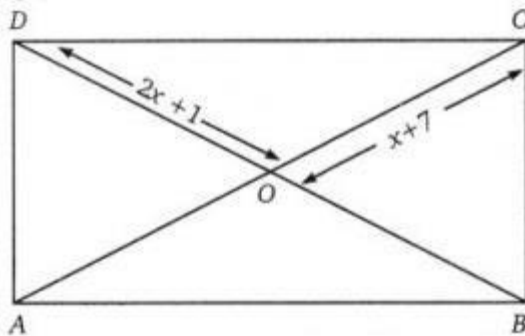
Q6: In the adjoining figure find $x + y + z$.



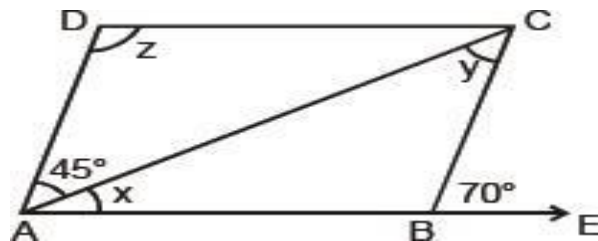
Q7: ABCD is a parallelogram. What is the value of x ?



Q8: ABCD is a rectangle. What is the length of the diagonal AC?



Q9: Find x , y , z in the given parallelogram ABCD.



Q10: In the given figure, ABCD is a parallelogram. Find x , y and z .

