

WORK SHEET
SUBJECT- MATHS

Chapter-4: Construction of Quadrilaterals

CLASS- VIII

- Q1. Construct a quadrilateral ABCD in which $AB = 4.2\text{ cm}$, $BC = 6\text{ cm}$, $CD = 5.2\text{ cm}$, $DA = 5.2$ and $AC = 8\text{ cm}$.
- Q2. Construct a quadrilateral PQRS in which $PQ = 4.6\text{ cm}$, $RS = 4.3\text{ cm}$, $SP = 3.5\text{ cm}$ & $PR = 4\text{ cm}$.
- Q3. Construct a quadrilateral ABCD in which $AB = 3.5\text{ cm}$, $BC = 3.8\text{ cm}$, $CD = DA = 4.5\text{ cm}$ & diagonal $BD = 5.6\text{ cm}$.
- Q4. Construct a quadrilateral ABCD in which $AB = 3.6\text{ cm}$, $BC = 3.3\text{ cm}$, $AD = 2.7\text{ cm}$, diagonal $AC = 4.6\text{ cm}$ & $BD = 4\text{ cm}$.
- Q5. Construct a quadrilateral PQRS in which $QR = 7.5\text{ cm}$, $PR = PS = 6\text{ cm}$, $RS = 5\text{ cm}$ & $QS = 10\text{ cm}$. Measure the fourth side.
- Q6. Construct a quadrilateral PQRS in which $PQ = 6\text{ cm}$, $RS = 2.7\text{ cm}$, $QR = 5.6\text{ cm}$ angle $Q = 45^\circ$ & angle $R = 90^\circ$.
- Q7. Construct a quadrilateral ABCD in which $AB = 2.9\text{ cm}$, $BC = 3.2\text{ cm}$, $CD = 2.7\text{ cm}$, $DA = 3.4\text{ cm}$ and Angle $A = 70^\circ$.
- Q8. Construct a quadrilateral ABCD in which $AB = BC = 3.5\text{ cm}$, $AD = CD = 5.2\text{ cm}$ and Angle $ABC = 120^\circ$.
- Q9. Construct a quadrilateral ABCD in which $AB = 5.6\text{ cm}$, $BC = 4\text{ cm}$, Angle $A = 50^\circ$, Angle $B = 105^\circ$, and Angle $D = 80^\circ$.
- Q10. Construct a quadrilateral ABCD in which $AB = 4\text{ cm}$, $AC = 5\text{ cm}$, $AD = 5.5\text{ cm}$ and Angle $ABC = \text{Angle } ACD = 90^\circ$.
- Q11. Construct a parallelogram ABCD in which $AB = 5.2\text{ cm}$, $BC = 4.7\text{ cm}$ & $AC = 7.6\text{ cm}$.
- Q12. Construct a parallelogram ABCD in which $AB = 4.3\text{ cm}$, $BD = 6.8\text{ cm}$ & $AD = 4\text{ cm}$.
- Q13. Construct a parallelogram PQRS in which $QR = 6\text{ cm}$, $PQ = 4$ & Angle $PQR = 60^\circ$.
- Q14. Construct a parallelogram ABCD in which $CB = 5\text{ cm}$, $BCD = 120^\circ$ & $CD = 4.8\text{ cm}$.
- Q15. Construct a rectangle ABCD whose adjacent sides are 11 cm & 8.5 cm .
- Q16. Construct a square, each of whose sides measure 6.4 cm .
- Q17. Construct a square, each of whose diagonals measure 5.8 cm .
- Q18. Construct a rhombus whose diagonals are 6 cm & 8 cm .
- Q19. Construct a rhombus ABCD in which $AB = 4\text{ cm}$ & diagonal AC is 6.5 cm .
- Q20. Draw a rhombus whose side is 7.2 cm & one angle is 60° .
