

Ch - 4 Practical Geometry

1. Construct a quadrilateral STAR where $ST = 4\text{ cm}$, $SA = 3.9\text{ cm}$, $TA = 4.2\text{ cm}$ and $SR = 3.7\text{ cm}$
2. Construct a parallelogram ZEAL with $ZE = 5\text{ cm}$, $EA = 3.8\text{ cm}$ and $ZA = 5.8\text{ cm}$.
3. Construct a quadrilateral OKAY where $OK = 4.5\text{ cm}$, $KA = 5\text{ cm}$, $YO = 5.5\text{ cm}$, $OA = 5.8\text{ cm}$ and $KY = 7\text{ cm}$.
4. Construct a rhombus MIND, given that $MN = 8\text{ cm}$ and $ID = 6\text{ cm}$.
5. Construct a rectangle HOPE in which $HO = 6\text{ cm}$ and $OP = 4\text{ cm}$.
6. Construct a quadrilateral JUMP with $JU = 6.5\text{ cm}$, $UM = 5\text{ cm}$, $\angle J = 105^\circ$, $\angle U = 60^\circ$ and $\angle M = 90^\circ$.
7. Construct a quadrilateral ABCD in which $AB = 5.6\text{ cm}$, $BC = 4\text{ cm}$, $\angle A = 50^\circ$, $\angle B = 105^\circ$ and $\angle D = 80^\circ$.
8. Construct a square PQRS with diagonal $PR = 6.2\text{ cm}$.
9. Construct a quadrilateral ABCD in which $AB = 4.5\text{ cm}$, $BC = 5.3\text{ cm}$, $CD = 4\text{ cm}$, $\angle B = 90^\circ$ and $\angle C = 120^\circ$.
10. Construct a parallelogram EFGH with $EF = 4.7\text{ cm}$, $FG = 3.5\text{ cm}$ and $\angle GFE = 80^\circ$.

