

BAL BHARATI PUBLIC SCHOOL

Ganga Ram Hospital Marg

SA (2)

Subject : Mathematics

Class – VIII

Assignment – 15

CHAPTER – 12 – CONSTRUCTION

Choose the correct option (Question No. 1 – 3)

- Q.1 To construct a quadrilateral, it is necessary to have at least _____ independent values.
 (a) 5 (b) 4 (c) 3 (d) 2
- Q.2 A quadrilateral PQRS is constructed such that $PR = QS = 4$ cm and both the diagonals bisect each other at right angle
 (a) Rectangle (b) Square (c) Parallelogram (d) Kite
- Q.3 A quadrilateral in which each angle is 90° and having equal diagonals is
 (a) Rectangle (b) Rhombus (c) Parallelogram (d) None
- Q.4 Construct a quadrilateral ABCD in which $AB = 4.5$ cm, $BC = 5.5$ cm, $CD = 4$ cm, $DA = 6$ cm and diagonal $AC = 7$ cm.
- Q.5 Construct a quadrilateral PQRS $PQ = 4$ cm, $QR = 3.2$ cm, $PS = 3.7$ cm, $PR = 4.8$ cm $QS = 5.5$ cm. Measure the side RS.
- Q.6 Construct a quadrilateral NIKE in which $NI = 2.9$ cm, $IK = 3.2$ cm, $KE = 2.7$ cm, $EN = 3.4$ cm and angle $I = 75^\circ$.
- Q.7 Construct a quadrilateral FLAG $FL = 4$ cm, $LA = 4.5$ cm, $AG = 4.7$ cm, $\angle L = 60^\circ$, $\angle A = 135^\circ$. Measure the side AD and diagonal BD.
- Q.8 Construct a quadrilateral BULK, $BU = 4$ cm, $UL = 4$ cm, $\angle U = 60^\circ$, $\angle B = 90^\circ$, $\angle L = 135^\circ$
- Q.9 Can you construct the quadrilateral MIKE, $MI = 6$ cm, $IK = 9.5$ cm, $\angle M = 75^\circ$, $\angle I = 150^\circ$, $\angle K = 140^\circ$?
- Q.10 Construct a quadrilateral RISK, $RI = 4$ cm, $IS = 4.5$ cm, $\angle I = 75^\circ$, $\angle R = 90^\circ$, $\angle S = 120^\circ$.
- Q.11 Construct a Parallelogram ABCD, $AB = 4$ cm, $BC = 5.3$ cm, $\angle B = 60^\circ$.
- Q.12 Construct a Parallelogram PQRS, $PQ = 5.1$ cm, $PS = 4.2$ cm and $QS = 6$ cm.
- Q.13 Construct a rhombus ABCD, $AB = 4.4$ cm and one diagonal is 6.7 cm.
- Q.14 Construct a rhombus PQRS, $PR = 6$ cm, $QS = 5$ cm.
- Q.15 Construct a rectangle whose sides are 5.5 cm and 3.6 cm.
- Q.16 Construct a square whose side is 4.5 cm.
- Q.17 Construct a square whose Diagonal 6.5.