

**CLASS VIII - MATHEMATICS – CHAPTER 04**

**PRACTICAL GEOMETRY**

Name:

Date:

- Q01.** Construct a quadrilateral PQRS where  $PQ = 4$  cm,  $QR = 6$  cm,  $RS = 5$  cm,  $PS = 5.5$  cm and  $PR = 7$  cm.
- Q02.** Construct a quadrilateral ABCD, given that  $BC = 4.5$  cm,  $AD = 5.5$  cm,  $CD = 5$  cm the diagonal  $AC = 5.5$  cm and diagonal  $BD = 7$  cm.
- Q03.** Construct a quadrilateral MIST where  $MI = 3.5$  cm,  $IS = 6.5$  cm,  $\angle M = 75^\circ$ ,  $\angle I = 105^\circ$  and  $\angle S = 120^\circ$ .
- Q04.** Construct a quadrilateral ABCD, where  $AB = 4$  cm,  $BC = 5$  cm,  $CD = 6.5$  cm and  $\angle B = 105^\circ$  and  $\angle C = 80^\circ$ .
- Q05.** Draw a square of side 4.5 cm.
- Q06.** Construct the quadrilateral LIFT where  $LI = 4$  cm,  $IF = 3$  cm,  $TL = 2.5$  cm,  $LF = 4.5$  cm and  $IT = 4$  cm.
- Q07.** Construct the quadrilateral LIFT where  $LI = 4$  cm,  $IF = 3$  cm,  $TL = 2.5$  cm,  $LF = 4.5$  cm and  $IT = 4$  cm.
- Q08.** Construct the quadrilateral MORE where  $MO = 6$  cm,  $OR = 4.5$  cm,  $\angle M = 60^\circ$ ,  $\angle O = 105^\circ$  and  $\angle R = 105^\circ$ .
- Q09.** Construct the quadrilateral DEAR where  $DE = 4$  cm,  $EA = 5$  cm,  $AR = 4.5$  cm,  $\angle E = 60^\circ$  and  $\angle A = 90^\circ$ .
- Q10.** Draw the square READ with  $RE = 5.1$  cm.
- Q11.** Construct the parallelogram MORE where  $OR = 6$  cm,  $RE = 4.5$  cm and  $EO = 7.5$  cm.
- Q12.** Construct the quadrilateral JUMP where  $JU = 3.5$  cm,  $UM = 4$  cm,  $MP = 5$  cm,  $PJ = 4.5$  cm and  $PU = 6.5$  cm.
- Q13.** Construct the quadrilateral GOLD where  $OL = 7.5$  cm,  $GL = 6$  cm,  $GD = 6$  cm,  $LD = 5$  cm and  $OD = 10$  cm.
- Q14.** Construct the quadrilateral PLAN where  $PL = 4$  cm,  $LA = 6.5$  cm,  $\angle P = 90^\circ$ ,  $\angle A = 110^\circ$  and  $\angle N = 85^\circ$ .
- Q15.** Construct the quadrilateral TRUE where  $TR = 3.5$  cm,  $RU = 3$  cm,  $UE = 4$  cm,  $\angle R = 75^\circ$  and  $\angle U = 120^\circ$ .
- Q16.** Draw a rhombus whose diagonals are 5.2 cm and 6.4 cm long
- Q17.** Construct the rhombus BEST where  $BE = 4.5$  cm and  $ET = 6$  cm.
- Q18.** Construct the rhombus BEND where  $BN = 5.6$  cm and  $DE = 6.5$  cm.
- Q19.** Construct the parallelogram HEAR where  $HE = 5$  cm,  $EA = 6$  cm and  $\angle R = 85^\circ$ .
- Q20.** Construct the quadrilateral DEAR where  $DE = 4$  cm,  $EA = 5$  cm,  $AR = 4.5$  cm,  $\angle E = 60^\circ$  and  $\angle A = 90^\circ$ .
- Q21.** Draw a rectangle with adjacent sides of lengths 5 cm and 4 cm.
- Q22.** Construct the quadrilateral ABCD where  $AB = 4.5$  cm,  $BC = 5.5$  cm,  $CD = 4$  cm,  $AD = 6$  cm and  $AC = 7$  cm.
- Q23.** Draw a parallelogram OKAY where  $OK = 5.5$  cm and  $KA = 4.2$  cm.
- Q24.** Construct the quadrilateral TRUE where  $TR = 3.5$  cm,  $RU = 3$  cm,  $UE = 4$  cm,  $\angle R = 75^\circ$  and  $\angle U = 120^\circ$ .
- Q25.** Construct the rectangle OKAY where  $OK = 7$  cm and  $KA = 5$  cm.
- Q26.** Construct the rhombus BEST where  $BE = 4.5$  cm and  $ET = 6$  cm.