

VIII - Mathematics Assignment No-01 - Practical Geometry.

Draw the Constructions of the following questions. Write also the steps of construction.

Q1.

Construct a quadrilateral ABCD given that $BC = 4.5\text{cm}$, $AD = 5.5\text{cm}$, $CD = 5\text{cm}$ and diagonal $AC = 5.5\text{cm}$. diagonal $BD = 7\text{cm}$

Q2. Construct a quadrilateral MIST where $MI = 3.5\text{cm}$, $IS = 6.5\text{cm}$, $\angle M = 75^\circ$, $\angle I = 105^\circ$, $\angle S = 120^\circ$.

Q3. Construct a quadrilateral ABCD where $AB = 4\text{cm}$, $BC = 5\text{cm}$, $CD = 6.5\text{cm}$, $\angle B = 105^\circ$, $\angle C = 80^\circ$

Q4. Construct a rhombus ABCD such that $AB = 4.5\text{cm}$ and diagonal $BD = 6\text{cm}$

Q5. Construct a parallelogram ABCD such that $BC = 6\text{cm}$, $CD = 4.5\text{cm}$, $BD = 7.5\text{cm}$