Question Bank

1. **CHOOSE THE CORRECT ANSWER.**

   a. Which of the following quadrilateral does not have any equal adjacent sides?

      i. square   ii. kite

      iii. rhombus   iv. rectangle

   b. How many measures are needed to draw a rectangle?

      i. one   ii. two

      iii. three   iv. four

   c. To draw any quadrilateral, how many measures do you need at the most?

      i. four   ii. five

      iii. six   iv. seven

   d. Which of these quadrilaterals does not have parallel sides?

      i. parallelogram   ii. rhombus

      iii. trapezium   iv. kite

   e. A quadrilateral in which all sides are equal is called:

      i. parallelogram   ii. rectangle

      iii. trapezium   iv. rhombus

2. **CONSTRUCT THE FOLLOWING QUADRILATERALS.**

   a. Construct square of diagonal 6.5 cm. Measure the length of its side.

   b. Construct a rectangle with a side 5 cm and a diagonal 8 cm. Measure its other side.

   c. Construct a rhombus with side 5.4 cm and an angle $60°$. Measure its diagonals.

   d. Construct a parallelogram ABCD with AB = 5.6 cm, BC = 4.2 cm and AC = 8 cm.

   e. Construct a parallelogram ABCD with AB = 4.8 cm, BC = 3.8 cm and $\angle B = 65°$.

   f. Construct a parallelogram ABCD with AB = 5 cm, AC = 6.5 cm and BD = 7.5 cm.

   g. Construct a parallelogram ABCD with diagonals AC = 6.6 cm, BD = 7.8 cm and included angle $\angle BOC = 60°$.

   h. Construct a quadrilateral ABCD with AB = 6 cm, AD = 4 cm, BC = 3.5 cm, CD = 5.5 cm and diagonal DB = 7.5 cm.

   i. Construct a quadrilateral ABCD with AB = 6.5 cm, BC = 4.4 cm, AD = 3.8 cm and diagonals AC = 8 cm, DB = 7 cm.

   j. Construct a quadrilateral ABCD with AB = 7.2 cm, BC = 5.8 cm, AD = 6.6 cm, $\angle A = 110°$ and $\angle B = 110°$.

   k. Construct a quadrilateral ABCD with AB = 6.5 cm, $\angle A = 70°$, $\angle B = 60°$, $\angle C = 80°$, and BC = 7.5 cm.

   l. Construct a quadrilateral ABCD with AB = 6.8 cm, BC = 4 cm, CD = 5.2 cm, AD = 4.6 cm and $\angle A = 70°$.