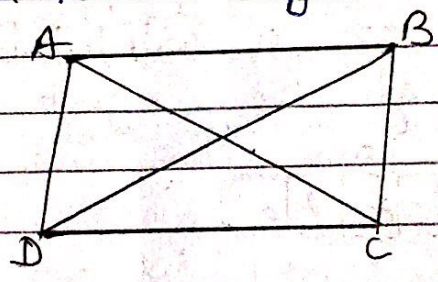Bhagirathi Bal Shiksha Sadan Sec. School
Class - IV, Sub. - Maths, Exercise - 11.4 (Geometry)
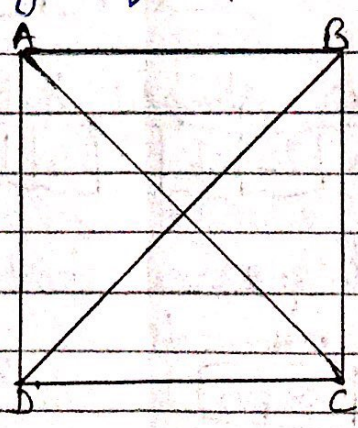
Quadrilateral :

A quadrilateral is a four-sided closed figure. Squares, rectangles, trapezium, kite, parallelograms etc., are examples of quadrilaterals.

1. A quadrilateral has 4 vertices : A, B, C and D.
2. A quadrilateral has 4 sides : AB, BC, CD and DA.
3. A quadrilateral has 4 angles : $\angle A, \angle B, \angle C$ and $\angle D$.
4. A quadrilateral has 2 diagonals : AC and AD.

Square : A square is quadrilateral with all sides are equal. i.e., AB = BC = CD = DA and the diagonals of square are equal. i.e., AC = BD.
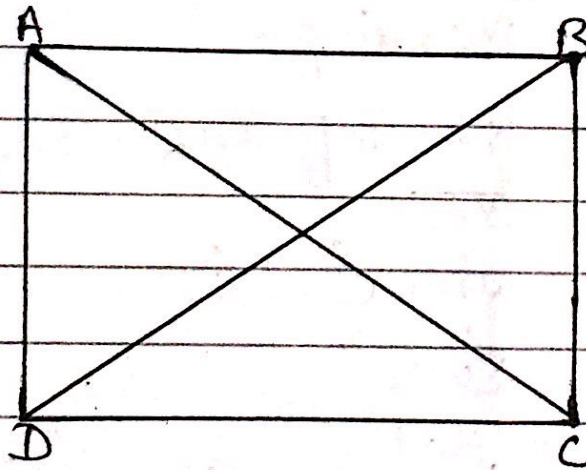
Rectangle :

A rectangle has two longer sides and two shorter sides. The opposite sides of the rectangle are equal.

i.e., $AB = DC$ and $AD = BC$.

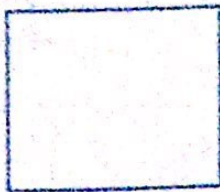The two diagonals of the rectangle are equal. i.e., $AC = BD$.

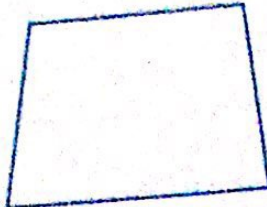**1. Write the names of the following quadrilaterals.**

a. _Square_

b. _Trapezium_
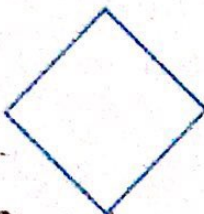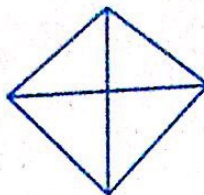
c. _Rectangle_

d. _Rhombus_

e. _Quadrilateral_

2. Fill in the blanks.

a. A _Square_ has four equal sides that are at right angles to one another.

b. A _rectangle_ is a quadrilateral whose opposite sides are equal.

c. A polygon with 4 sides is called a _quadrilateral_.

d. All the 4 sides of a _Square_ are equal.

e. The opposite sides of a _rectangle_ are equal.

Let's Recall

- A point is the smallest shape, it has no length and width.

- The line segment is a part of a line with two end points.

- A figure which formed by joining two rays at end points is called angles.

- A triangle is closed figure having three sides, three angles and three vertices.

- A quadrilateral is the four sided closed figure.

A. Multiple Choice Questions (MCQs)

Tick (✓) the correct option.

1. The smaller shape has no length and width is called

   a. point ✓   b. line ☐   c. ray ☐   d. angle ☐

2. An angle less than 90° is a:

   a. right angle

   b. obtuse angle ☐

   c. scalene angle

   d. none of these ✓

3. The sum of all angles of triangle is:

   a. 120° ☐   b. 180° ✓   c. 90° ☐   d. 45° ☐

4. Its all sides are equal it is a:

   a. square

   b. rectangle ✓

   c. triangle

   d. none of these ☐