

EXERCISE 11B

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Objective Questions**Mark (✓) against the correct answer in each of the following****1. Which of the following has no end points?**

- (a) A line segment
- (b) A ray
- (c) A line
- (d) None of these

Solution

A line has no end point since it can be extended from both sides.

Option (c) is the correct answer

2. Which of the following has one end point?

- (a) A line
- (b) A ray
- (c) A line segment
- (d) None of these

Solution

A ray has one end point and it is extended endlessly towards other direction.

Option (b) is the correct answer.

3. Which of the following has end points?

- (a) A line segment
- (b) A ray
- (c) A line
- (d) None of these

Solution

A line segment has two end points and a definite length.

Option (a) is the correct answer.

4. Which of the following has definite length?

- (a) A line
- (b) A line segment
- (c) A ray
- (d) None of these

Solution

A line segment has definite length and can be drawn on a paper.

Option (b) is the correct answer.

5. Which of the following can be drawn on a piece of paper?

- (a) A line
- (b) A line segment
- (c) A ray
- (d) A plane

Solution.

A line segment can be drawn on a piece of paper.

Option (b) is the correct answer.

6. How many lines can be drawn passing through a given point?

- (a) One only
- (b) Two
- (c) Three
- (d) Unlimited number

Solution

We can draw unlimited points passing through a given point
Option (d) is the correct answer.

7. How many lines can be drawn passing through two given points?

- (a) One only
- (b) Two
- (c) Three
- (d) Unlimited number

Solution

Only one line can be drawn passing through two given points
Option (a) is the correct answer.

8. Two planes intersect

- (a) at a point
- (b) in a plane
- (c) in a line
- (d) none of these

Solution

Two intersecting planes intersect in a line
Option (c) is the correct answer.