

CHAPTER-8 | Playing with Construction

QUIZ
PART-20

1. What is to be constructed?

- A. Square
- B. Rectangle
- C. Circle
- D. Triangle (B)

Explanation: The question asks to construct a rectangle.

2. What is the given length of one side?

- A. 3 cm
- B. 4 cm
- C. 6 cm
- D. 8 cm (B)

Explanation: One side of the rectangle is given as 4 cm.

3. What is the given length of the diagonal?

- A. 4 cm
- B. 5 cm
- C. 8 cm
- D. 10 cm (C)

Explanation: The diagonal is given as 8 cm.

4. Which segment is first drawn as 4 cm?

- A. AC
- B. BD
- C. AB
- D. CD (C)

Explanation: Step (i) begins with drawing $AB = 4$ cm.

5. Perpendicular lines are drawn at which points?

- A. C and D
- B. A and B
- C. A and C
- D. B and D (B)

Explanation: The solution says to draw perpendicular lines at A and B.

6. With A as centre, what radius is used to draw the arc?

- A. 4 cm
- B. 5 cm
- C. 6 cm
- D. 8 cm (D)

Explanation: Step (ii) uses radius 8 cm with A as centre.

7. With B as centre, what radius is used to draw the second arc?

- A. 4 cm
- B. 8 cm
- C. 10 cm
- D. 12 cm (B)

Explanation: The second arc is also drawn with radius 8 cm.

8. Which points are joined in the last step?

- A. A and C
- B. B and D
- C. D and C
- D. A and D (C)

Explanation: Step (iii) says to join points D and C.

9. In the final rectangle, which are the diagonals?

- A. AB and CD
- B. AC and BD
- C. AB and BC
- D. AD and DC (B)

Explanation: In rectangle ABCD, AC and BD are the diagonals shown.

10. After joining D and C, the required figure is

- A. Rhombus
- B. Square
- C. Rectangle
- D. Trapezium (C)

Explanation: The final statement says ABCD is the required rectangle.