

CHAPTER-8 | Playing with Construction

QUIZ
PART-18

1. Maths | Chapter-8 | Playing with Constructions | P-18 Construct (Q.1)

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

Explanation: The question clearly asks to construct a rectangle.

2. Which diagonal is used in the construction?

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

Explanation: The solution states that diagonal AC divides angle A into 50° and 40° .

3. What is the length of AB?

- A. 3 cm
- B. 4 cm
- C. 5 cm
- D. 6 cm (B)

Explanation: Step (i) says to draw $AB = 4$ cm.

4. At which point is a perpendicular first drawn to AB?

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

Explanation: In Step (i), a perpendicular to AB is drawn at point B.

5. What angle does AC make with AB at A?

- A. 40°
- B. 50°
- C. 90°
- D. 130° (B)

Explanation: Step (ii) says AC makes an angle of 50° with AB.

6. Point C is obtained by the intersection of AC with the line drawn at B that is

- A. Parallel to AB
- B. Equal to AB
- C. Perpendicular to AB
- D. Bisecting AB (C)

Explanation: AC meets the perpendicular drawn at B, and that intersection is named C.

7. At point A, the new line drawn in Step (iii) is

- A. Parallel to AB
- B. Perpendicular to AB
- C. Equal to AC
- D. Bisector of angle A (B)

Explanation: Step (iii) says to draw a line at A perpendicular to AB.

8. Which lengths are taken equal in Step (iii)?

- A. $AB = AC$
- B. $AB = CD$
- C. $AD = BC$
- D. $AC = BD$ (C)

Explanation: The construction marks point D such that $AD = BC$.

9. Which segment is joined at the end to complete the rectangle?

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

Explanation: The last instruction is to join CD.

10. If angle $CAB = 50^\circ$, then angle $DAC =$

- A. 30°
- B. 40°
- C. 50°
- D. 90° (B)

Explanation: Angle A of a rectangle is 90° , so the diagonal splits it into 50° and 40° .