

## CHAPTER-8 | Playing with Construction

QUIZ  
PART-02

1. What is drawn first in the construction?

- A. A circle
- B. A line segment  $AB = 4$  cm
- C. An arc
- D. A triangle (B)

**Explanation:** Step (i) says to draw line segment  $AB$  of length 4 cm.

2. What is the length of  $AB$ ?

- A. 2 cm
- B. 3 cm
- C. 4 cm
- D. 5 cm (C)

**Explanation:** The given line segment  $AB$  is 4 cm long.

3. At  $A$  and  $B$ , which lines are drawn?

- A. Parallel lines
- B. Slant lines
- C. Perpendiculars
- D. Curves (C)

**Explanation:** Step (ii) says to draw perpendiculars at  $A$  and  $B$ .

4.  $AD$  and  $BC$  are each equal to:

- A. 2 cm
- B. 3 cm
- C. 4 cm
- D. 5 cm (C)

**Explanation:** Step (iii) gives  $AD = BC = 4$  cm.

5. Which line is joined after marking points  $D$  and  $C$ ?

- A.  $AC$
- B.  $BD$
- C.  $DC$
- D.  $EF$  (C)

**Explanation:** Step (iii) clearly says to join  $DC$ .

6. Point  $E$  is marked on  $DC$  such that:

- A.  $DE = 1$  cm and  $EC = 3$  cm
- B.  $DE = EC = 2$  cm
- C.  $DE = EC = 4$  cm
- D.  $DE = 3$  cm and  $EC = 1$  cm (B)

**Explanation:** Step (iv) says  $E$  is the midpoint of  $DC$ , so  $DE$  and  $EC$  are both 2 cm.

7. What is the length of  $EF$ ?

- A. 1.5 cm
- B. 2 cm
- C. 3 cm
- D. 4 cm (C)

**Explanation:** Step (iv) says to mark  $F$  so that  $EF = 3$  cm.

8. With  $F$  as centre and radius equal to  $FC$ , what is drawn?

- A. A full circle
- B. A line segment
- C. An arc
- D. A rectangle (C)

**Explanation:** Step (v) says to draw an arc using  $F$  as centre and  $FC$  as radius.

9. With  $F$  as centre, what radius is used to draw the circle in step (vi)?

- A. 1 cm
- B. 1.5 cm
- C. 2 cm
- D. 2.5 cm (B)

**Explanation:** Step (vi) says to draw a circle of radius 1.5 cm with centre  $F$ .

10. What is done in the last step to get the required figure?

- A. Colour the figure
- B. Erase extra lines
- C. Draw another square
- D. Extend  $AB$  (B)

**Explanation:** Step (vii) says to erase all extra lines to obtain the figure of a person.