

CHAPTER-2 | Lines and Angles

QUIZ PART-12

1. A circle is divided into how many equal parts?

- A. 360
- B. 180
- C. 90
- D. 270 (A)

Explanation: A circle is divided into 360 equal parts, each part representing one degree (1°).

2. What is the angle measure of each unit part of the circle?

- A. 90°
- B. 30°
- C. 1°
- D. 10° (C)

Explanation: Each unit part of the circle is 1° , which is the angle measure for each segment when the circle is divided into 360 equal parts.

3. Which tool is used to measure angles?

- A. Ruler
- B. Protractor
- C. Compass
- D. Calculator (B)

Explanation: A protractor is the tool used to measure angles, and it can either be a full circle (360°) or a half-circle (180°).

4. What is the primary marking used for every 10° on a protractor?

- A. Small size mark
- B. Large size mark
- C. Medium size mark
- D. No marks (B)

Explanation: A protractor typically has a long size mark for every 10° .

5. What type of protractor is shown in the images?

- A. 180° protractor
- B. Unlabelled protractor
- C. Digital protractor
- D. 90° protractor (B)

Explanation: The protractor shown in the chapter is unlabelled, and it includes large size marks for every 10° and medium size marks for every 5° .

6. How is 1° represented?

- A. 1 degree
- B. 1 radian
- C. 1 minute
- D. 1 second (A)

Explanation: 1° is used to measure angles in the circle. A full circle is divided into 360 equal parts, each being 1° .

7. What does a protractor measure in relation to angles?

- A. Length of lines
- B. Width of the angle
- C. Angle in degrees
- D. Height of an object (C)

Explanation: A protractor measures angles in degrees, either in a 180° or 360° range, depending on the type of protractor.

8. If an angle has 30 units of 1° , what is its measure?

- A. 180°
- B. 30°
- C. 60°
- D. 10° (B)

Explanation: Each unit represents 1° , so 30 units would result in an angle of 30° .

9. Which part of the protractor is used to measure smaller divisions like 5° ?

- A. Large marks
- B. Medium marks
- C. Small marks
- D. No specific marks (B)

Explanation: Medium size marks are placed every 5° on the protractor, helping to measure smaller divisions accurately.

10. What does the image on page 16 suggest?

- A. Measuring the area of a circle
- B. Measuring angles using a protractor
- C. Using a compass to measure distance
- D. Calculating angles in radians (B)

Explanation: The image on page 16 shows a protractor and how to measure an angle between points A, B, and C. The assessment focuses on measuring angles in degrees using a protractor.