Class 6 – Mathematics Worksheet

Chapters: Rays, Lines, Angles, Clock Angles, Turns

Marks: 20   Time: 45 min

Section A – MCQs (1 × 4 = 4 marks)

1. Which of the following is an example of a ray?

a) Edge of a ruler   b) Beam of light from a torch   c) Pencil   d) Stick

2. The angle made by the hands of a clock at 3 o'clock is:

a) 45°   b) 90°   c) 180°   d) 60°

3. The sum of angles at a point is always:

a) 90°   b) 180°   c) 270°   d) 360°

4. Which of the following letters can be drawn using only straight lines and contains right angles?

a) A   b) L   c) O   d) S

Section B – Very Short Answer (1 × 2 = 2 marks)

5. Draw a line segment AB = 5 cm using a ruler.

6. Write the names of the angles formed at a point O if three rays OA, OB, OC are drawn.

Section C – Short Answer (2 × 2 = 4 marks)

7. (a) Draw an angle of 75° using a protractor.

(b) Name the type of angle formed.

    If the minute hand of a clock moves from 12 to 4,

8.(a) How many right angles does it turn through?

(b) What is the angle formed in degrees?

Section D – Long Answer (2 × 3 = 6 marks)

(Analyzing, Evaluating & Creating)

9. (a) Draw the letter Y using three line segments.

(b) Measure and write the angles formed at the junction point.

(c) Classify each angle as acute, right, or obtuse.

10. A wheel makes one complete turn.

(a) How many degrees is this turn?

(b) What is the angle made in half a turn?

(c) How many right angles are there in one full turn?

Section E –(2 × 2 = 4 marks)

11. The time is 6:00.

(a) What angle do the hands of the clock make?

(b) Is it a straight angle or reflex angle?

12. Draw a line segment AB = 7 cm. At A, construct an angle of 90° using a protractor.

Would you like me to now generate a detailed Answer Key with diagrams (bar, clock, angles, letters like Y) so that teachers can directly use it for correction?