WONDERLEARNERZ PRIMARY ACADEMY â€¢ PRACTICE & ASSESSMENT WORKSHEET

Types of Angles: Worksheet 3

Grade 5 | Mathematics | Ch 7: Types of Angles | Total Marks: 19 | Time: 45 Minutes

Student Name: _____ **Roll / ID No:** _____

Grade / Section: _____ **Date:** _____ **Score:** _____ / 19

Instructions: Section A (Q1-Q4): Choose the correct option (A, B, C, or D). Section B (Q5-Q9): Write your exact one-word or numerical answer. Section C & D (Q10-Q15): Write your detailed answers, corrections, and show all working steps neatly in the space provided.

Q1. Which type of angle measures strictly less than 90Â°? **[1 Mark]**

( ) A. Acute angle
( ) B. Obtuse angle
( ) C. Right angle
( ) D. Reflex angle

Q2. What type of angle is formed by the hands of a clock at 3:00? **[1 Mark]**

( ) A. Right angle (90Â°)
( ) B. Acute angle
( ) C. Obtuse angle
( ) D. Straight angle

Q3. An angle measuring 135Â° is classified as which type of angle? **[1 Mark]**

( ) A. Obtuse angle
( ) B. Acute angle
( ) C. Right angle
( ) D. Straight angle

Q4. What is the measure of a straight angle? **[1 Mark]**

( ) A. 180Â°
( ) B. 90Â°
( ) C. 360Â°
( ) D. 270Â°

Q5. At the Harbor Marine Terminal, an architect designs an A-frame roof where the apex angle measures 72Â°. Classify this roof angle as acute, right, or obtuse. **[1 Mark]**

Q6. Look at an analog clock at 5:00. What type of angle (acute, right, or obtuse) is formed between the hour hand and the minute hand? **[1 Mark]**

Q7. A carpenter joins two wooden beams forming a straight line of 180Â°. If one angle is 65Â°, what is the measure of the adjacent supplementary angle? **[1 Mark]**

Q8. Identify the angle classification: Angle X = 90Â°. Angle X is a [?] angle. **[1 Mark]**

Q9. Find the missing angle to complete a right angle: 38Â° + [?]Â° = 90Â°. **[1 Mark]**

Q10. Jake looks at a 95Â° angle and calls it an acute angle because it is close to 90Â°. Why is Jake mistaken? **[1 Mark]**

Q11. A student claims: 'An obtuse angle can measure 195Â°.' Explain the error and give the correct classification. **[1 Mark]**

Q12. Can a triangle have two right angles? Explain using the property of angle sums in triangles. **[2 Marks]**

Q13. Explain how you can use the corner of an index card (which is 90Â°) to determine whether an unknown angle is acute or obtuse. **[2 Marks]**

Q14. In a right-angled triangle, one acute angle measures 34Â°. What is the measure of the other acute angle? **[2 Marks]**

Q15. At what exact time between 1:00 and 2:00 do the hands of a clock form an acute angle: at 1:10 or at 1:50? **[2 Marks]**