WONDERLEARNERZ PRIMARY ACADEMY â€¢ PRACTICE & ASSESSMENT WORKSHEET

Perimeter and Measuring Boundaries - Worksheet 4

Grade 3 | Mathematics | Ch 8: Perimeter and Measuring Boundaries | Total Marks: 19 | Time: 30 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. Calculate the perimeter of a rectangle with length 18 cm and width 9 cm: **[1 Mark]**

( ) A. 54 cm
( ) B. 50 cm
( ) C. 60 cm
( ) D. 162 cm

Q2. What is the perimeter of a square with sides of length 18 cm? **[1 Mark]**

( ) A. 72 cm
( ) B. 67 cm
( ) C. 80 cm
( ) D. 324 cm

Q3. A triangle has sides of 8 cm, 11 cm, and 14 cm. What is its perimeter? **[1 Mark]**

( ) A. 33 cm
( ) B. 30 cm
( ) C. 35 cm
( ) D. 32 cm

Q4. Which unit is appropriate for measuring perimeter? **[1 Mark]**

( ) A. Centimetres (cm) or metres (m)
( ) B. Square centimetres (cmÂ²)
( ) C. Litres (L)
( ) D. Grams (g)

Q5. At the Suburban Backyard Lawn, an organizer installs a wooden border around the Play Area (18 m long and 9 m wide). What is the total length of border required? **[1 Mark]**

Q6. A gardener wants to put wire fencing around a square vegetable patch with side 9 metres. Fencing costs $5 per metre. What will the fencing cost in total? **[1 Mark]**

Q7. A photograph measuring 15 cm by 10 cm is framed with lace ribbon. If lace costs $2 per 10 cm, how much does the lace border cost? **[1 Mark]**

Q8. A rectangle has a perimeter of 54 cm. If its length is 18 cm, what is its width? **[1 Mark]**

Q9. A square has a perimeter of 72 cm. What is the length of ONE side? **[1 Mark]**

Q10. A student calculates the perimeter of a 6 cm by 4 cm rectangle as 24 cm. What did the student do wrong? **[1 Mark]**

Q11. Tariq measures an L-shaped room and calculates perimeter by only adding the 4 longest outer walls, omitting 2 inner corners. Why is this incorrect? **[1 Mark]**

Q12. Can two completely different rectangles have the exact same perimeter? Explain. **[2 Marks]**

Q13. If you double the side length of a square from 5 cm to 10 cm, what happens to its perimeter? **[2 Marks]**

Q14. An equilateral triangle and a square have the exact same perimeter of 36 cm. How much longer is a side of the triangle than a side of the square? **[2 Marks]**

Q15. A rectangular swimming pool is 12 m long and 6 m wide. A 1-metre wide paved walking path surrounds the pool completely on all sides. What is the outer perimeter of the paved path? **[2 Marks]**