WONDERLEARNERZ PRIMARY ACADEMY â€¢ PRACTICE & ASSESSMENT WORKSHEET

Data Handling - Worksheet 2

Grade 4 | Mathematics | Ch 18: Data Handling | 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. A survey records: |||. What is the total frequency? [1 Mark]

( ) A. 18
( ) B. 17
( ) C. 19
( ) D. 16

Q2. On a pictograph, each represents 4 Trees. How many Trees are represented by 6 stars? [1 Mark]

( ) A. 24 Trees
( ) B. 20 Trees
( ) C. 28 Trees
( ) D. 48 Trees

Q3. If 1 symbol represents 8 items, what quantity does half a symbol represent? [1 Mark]

( ) A. 4 items
( ) B. 8 items
( ) C. 2 items
( ) D. 1 item

Q4. In a bar graph, Category A has a bar reaching 28 and Category B reaches 19. What is the difference between them? [1 Mark]

( ) A. 9
( ) B. 8
( ) C. 10
( ) D. 7

Q5. During the Eco-Club Tree Planting, Class 3A planted 32 Trees and Class 3B planted 24 Trees. How many total Trees did both classes plant together? [1 Mark]

Q6. A pictograph key shows 1 icon = 4 votes. Team Blue collected 8 icons and Team Red collected 5 icons. How many more votes did Team Blue receive? [1 Mark]

Q7. In a classroom survey of 40 students, 18 chose soccer, 12 chose basketball, and the rest chose swimming. How many students chose swimming? [1 Mark]

Q8. A frequency table shows 4 categories totaling 50 votes: Cat A (15), Cat B (18), Cat C (9), Cat D [?]. What is Cat D's frequency? **[1 Mark]**

Q9. On a pictograph where 1 icon = 8 points, a team scored 56 points. How many icons must be drawn? **[1 Mark]**

Q10. Kiran looked at a pictograph where = 4 bicycles. He counted 5 bicycle symbols and recorded '9 bicycles' by adding 5 + 4. What was his error? **[1 Mark]**

Q11. A bar graph scale increases by 5s (0, 5, 10, 15, 20). Maya says the bar halfway between 10 and 15 represents 12. What number does halfway actually represent? **[1 Mark]**

Q12. Why do we bundle tally marks into groups of 5 with a diagonal slash rather than just writing single vertical lines? **[2 Marks]**

Q13. When creating a bar graph for data ranging from 0 to 100, which scale interval on the vertical axis is most practical? **[2 Marks]**

Q14. In a school library pictograph where = 6 books, Grade 4 borrowed 5 full symbols and 1 half symbol. Grade 4 borrowed 7 full symbols. What is the total number of books borrowed by both grades? **[2 Marks]**

Q15. A double bar graph compares boys and girls in 3 clubs. Art Club: 14 boys, 16 girls. Chess Club: 18 boys, 12 girls. Drama Club: 11 boys, 19 girls. Which club has the greatest total membership? **[2 Marks]**