WONDERLEARNERZ PRIMARY ACADEMY â€¢ PRACTICE & ASSESSMENT WORKSHEET

Weight and Mass: Worksheet 1

Grade 5 | Mathematics | Ch 13: Weight and Mass | 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. Convert 4 kilograms into grams. [1 Mark]

( ) A. 4,000 g
( ) B. 400 g
( ) C. 40,000 g
( ) D. 400 g

Q2. How many kilograms and grams are in 6,450 grams? [1 Mark]

( ) A. 6 kg 450 g
( ) B. 64 kg 50 g
( ) C. 6 kg 45 g
( ) D. 645 kg

Q3. What is 3.75 kg expressed in grams? [1 Mark]

( ) A. 3,750 g
( ) B. 375 g
( ) C. 37,500 g
( ) D. 3,075 g

Q4. Which item is most realistically estimated to weigh approximately 1 kilogram? [1 Mark]

( ) A. A 1-liter bag of sugar
( ) B. A postage stamp
( ) C. A standard school bus
( ) D. A paperclip

Q5. At the City Regional Airport, an animal shelter receives 3 bags of dog food weighing 15 kg each and 4 bags of cat food weighing 5 kg each. What is the total mass of pet food received? [1 Mark]

Q6. A shipping parcel has a gross weight of 4 kg 250 g. The cardboard packaging weighs 450 g. What is the net mass of the contents inside? [1 Mark]

Q7. A baker uses 650 g of flour for one loaf of artisan bread. How much flour (in kilograms and grams) is required to bake 6 loaves? [1 Mark]

Q8. Complete the mass conversion: 8 kg 75 g = [?] grams. **[1 Mark]**

Q9. Find the missing balance weight: [?] g + 1,450 g = 3,000 g. **[1 Mark]**

Q10. A student writes: '2 kg 5 g = 2,500 g.' Identify the error and state the correct mass in grams. **[1 Mark]**

Q11. A clerk calculates 5,040 g as 50 kg 40 g. Correct the clerk's conversion. **[1 Mark]**

Q12. Explain the difference between gross weight, tare weight, and net weight using an example of a jar of strawberry jam. **[2 Marks]**

Q13. Why is mass measured in kilograms and grams independent of gravity, unlike weight measured in newtons? **[2 Marks]**

Q14. A balance scale has 3 identical mystery steel balls and a 200 g weight on the left pan, and a 1 kg weight and a 100 g weight on the right pan. If the scale balances evenly, what is the mass of one steel ball? **[2 Marks]**

Q15. A warehouse elevator has a safe load limit of 1.2 metric tons (1,200 kg). If 15 workers averaging 72 kg each enter the elevator, how much additional cargo mass can safely be loaded? **[2 Marks]**