

Grade 4th Math Worksheet 2: Measurement of Weight-Conversions and Operations (Advanced Level)

Name: _____

Date: _____

Part 1: Complex Conversion of Units of Weight

1. Convert the following weights:

- a) 42 kilograms (kg) = _____ grams (g)
 - b) 4.75 kilograms (kg) = _____ grams (g)
 - c) 3,600 milligrams (mg) = _____ grams (g)
 - d) 9.3 kilograms (kg) = _____ grams (g)
 - e) 5.25 kilograms (kg) = _____ grams (g)
 - f) 150,000 milligrams (mg) = _____ grams (g)
 - g) 0.85 kilograms (kg) = _____ milligrams (mg)
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Part 2: Addition and Subtraction of Weights

2. Solve the following:

- a) Add: 7.4 kg (apples) + 3.2 kg (oranges) + 1.5 kg (bananas) = _____ kg
 - b) Subtract: 20.3 kg (flour) - 13.8 kg (used) = _____ kg
 - c) Add: 2.6 kg (potatoes) + 4.5 kg (carrots) + 1.2 kg (peas) = _____ kilograms and grams
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Part 3: Multiplication and Division with Weights

3. Solve the following:

a) Multiply: 3.4 kg (tomatoes) \times 7 = _____ kg or _____ grams

b) Divide: 36 kg (sugar) \div 6 = _____ kg or _____ grams

c) Multiply: 2.9 kg (flour) \times 9 = _____ kg or _____ grams

d) Divide: 15.6 kg (watermelon) \div 4 = _____ kg or _____ grams

Part 4: Word Problems on Weight

4. Answer the following questions:

a) You have 25 kilograms of rice. How many grams of rice is that?
_____ grams

b) A carton of milk weighs 3.2 kilograms. How many grams is that?
_____ grams

c) You have 6.8 kilograms of sugar. You want to divide it equally into 4 portions. How much sugar will each portion weigh in kilograms and grams?
_____ kilograms and _____ grams per portion

d) A watermelon weighs 6.5 kilograms. If you eat 2.2 kilograms, how much watermelon is left?
_____ kilograms

Part 5: Real-Life Applications with Weight

5. Answer the following questions:

a) Your suitcase weighs 18.7 kilograms. You buy a new book that weighs 1.5 kilograms. What will your suitcase weigh now in kilograms and grams?
_____ kg and _____ g

b) You are buying fruits for a party. You buy 5.5 kilograms of apples, 2.2 kilograms of bananas, and 3 kilograms of grapes. What is the total weight of the fruit in kilograms and grams?

_____ kg and _____ g

c) You have 12 kilograms of flour. A recipe calls for 2.5 kilograms of flour. How much flour will you have left after using 2.5 kilograms for the recipe?

_____ kilograms

d) You have 18 kilograms of rice. A recipe calls for 450 grams of rice. How much rice will be left after using 450 grams for the recipe?

_____ kilograms and _____ grams

Bonus Challenge:

6. You are organizing a charity event and you need to bake 150 cupcakes. Each cupcake weighs 180 grams. What will the total weight of all the cupcakes be in kilograms and grams?

_____ kg and _____ g

--BE THE CHAMPION!--