

Grade 4th Math Worksheet 1: Measurement of Weight-Conversions and Operations (Advanced Level)

Name: _____

Date: _____

Part 1: Complex Conversion of Units of Weight

1. Convert the following weights:

- a) 25 kilograms (kg) = _____ grams (g)
 - b) 0.75 kilograms (kg) = _____ grams (g)
 - c) 10,000 milligrams (mg) = _____ grams (g)
 - d) 5.4 kilograms (kg) = _____ grams (g)
 - e) 4.8 kilograms (kg) = _____ grams (g)
 - f) 4500 milligrams (mg) = _____ grams (g)
 - g) 1.2 kilograms (kg) = _____ milligrams (mg)
-

Part 2: Addition and Subtraction of Weights

2. Solve the following:

a) Add: 9.8 kg (apples) + 4.6 kg (bananas) + 1.2 kg (grapes) = _____ kg

b) Subtract: 15.4 kg (watermelon) - 7.8 kg (eaten) = _____ kg

c) Add: 1.5 kg (rice) + 2.7 kg (flour) + 900 g (sugar) + 600 g (butter) = _____ kilograms and grams

Part 3: Multiplication and Division with Weights

3. Solve the following:

a) Multiply: $2.3 \text{ kg (chicken)} \times 5 = \underline{\hspace{2cm}} \text{ kg or } \underline{\hspace{2cm}} \text{ grams}$

b) Divide: $12 \text{ kg (flour)} \div 3 = \underline{\hspace{2cm}} \text{ kg or } \underline{\hspace{2cm}} \text{ grams}$

c) Multiply: $0.9 \text{ kg (cheese)} \times 8 = \underline{\hspace{2cm}} \text{ kg or } \underline{\hspace{2cm}} \text{ grams}$

d) Divide: $7.5 \text{ kg (oranges)} \div 10 = \underline{\hspace{2cm}} \text{ kg or } \underline{\hspace{2cm}} \text{ grams}$

Part 4: Word Problems on Weight

4. Answer the following questions:

a) You have 12 kilograms of rice. How many grams of rice do you have?
 $\underline{\hspace{2cm}}$ grams

b) A carton of milk weighs 2.2 kilograms. How many grams is that?
 $\underline{\hspace{2cm}}$ grams

c) You have 3.5 kilograms of flour. You want to divide it into 7 equal portions. How much flour will each portion weigh in kilograms and grams?
 $\underline{\hspace{2cm}}$ kilograms and $\underline{\hspace{2cm}}$ grams per portion

d) A watermelon weighs 4.6 kilograms. If you eat 1.3 kilograms, how much watermelon is left?
 $\underline{\hspace{2cm}}$ kilograms

Part 5: Real-Life Applications with Weight

5. Answer the following questions:

a) You are going on a trip and your luggage weighs 20.4 kilograms. You buy a new jacket that weighs 1.2 kilograms. What will your luggage weigh now in kilograms and grams?
 $\underline{\hspace{2cm}}$ kg and $\underline{\hspace{2cm}}$ g

b) You are buying apples and bananas for a party. You buy 5 kilograms of apples and 3.6 kilograms of bananas. What is the total weight of the fruit in kilograms and grams?
_____ kg and _____ g

c) You have 2 kilograms of sugar. A recipe calls for 800 grams of sugar. How much sugar will you have left after using 800 grams for the recipe?
_____ grams

d) You have 10 kilograms of flour. You want to bake 5 cakes, and each cake requires 1.2 kilograms of flour. How much flour will be left after baking the cakes?
_____ kilograms

Bonus Challenge:

6. You have 15 chocolate bars, and each chocolate bar weighs 150 grams. You want to find the total weight of the chocolate bars in kilograms. What is the total weight of the chocolate bars in kilograms and grams?
_____ kg and _____ g

--BE THE CHAMPION!--