Grade 4th Math Worksheet 3: Measurement of Weight-Conversions and Operations (Intermediate Level)

Name: _____

Date: _____

Part 1: Conversion of Units of Weight

1. Convert the following weights:

a) 9 kilograms (kg) = _____ grams (g)

b) 1250 grams (g) = _____ kilograms (kg)

c) 3000 milligrams (mg) = _____ grams (g)

d) 5.6 kilograms (kg) = _____ grams (g)

e) 600 grams (g) = _____ kilograms (kg)

Part 2: Addition and Subtraction of Weights

2. Solve the following:

a) Add: 7.3 kg (rice) + 4.1 kg (flour) = _____ kg

b) Subtract: 10.5 kg (watermelon) - 6.2 kg (eaten) = _____ kg

c) Add: 1.2 kg (sugar) + 800 g (butter) + 1.5 kg (flour) = _____ grams or _____ kilograms

Part 3: Multiplication and Division with Weights

3. Solve the following:

a) Multiply: 650 g (carrots) × 5 = _____ g or _____ kg

b) Divide: 8.4 kg (flour) ÷ 7 = _____ kg or _____ g

c) Multiply: 1.2 kg (chicken) × 4 = _____ kg or _____ grams

Part 4: Word Problems on Weight

4. Answer the following questions:

a) You have 4.3 kilograms of potatoes. How many grams is that?

_____ grams

b) A carton of milk weighs 2.5 kilograms. If you want to buy 5 cartons, what is the total weight in kilograms and grams?

_____ kg

_____ g

c) You need 1.5 kilograms of sugar for a recipe. If you already have 900 grams of sugar, how much more sugar do you need to buy?

_____ grams

Part 5: Real-Life Applications with Weight

5. Answer the following questions:

a) You are packing for a trip. Your luggage weighs 18 kilograms. You buy a new book that weighs 1.2 kilograms. What will your luggage weigh now in kilograms and grams?

_____ kg

_____ g

b) You are organizing fruit baskets. You have 3.4 kilograms of apples and 2.6 kilograms of bananas. How much fruit do you have in total?

_____ kg or _____ g

c) You are baking a cake. The recipe calls for 250 grams of sugar. You already have 1.5 kilograms of sugar. How much sugar will you have left after using 250 grams for the cake?

_____ grams

Bonus Question:

6. A chocolate bar weighs 120 grams. How many chocolate bars will you have if you have 3 kilograms of chocolate?

_____ bars

--BE THE CHAMPION!--