

Mass word problems (mixed units)

Grade 5 Word Problems Worksheet

1. An empty jar weighs 250 g. After putting sugar in it, the weight of the jar, including the sugar, is 1.1 kgs. What is the weight of the sugar in the jar?

2. Jessica bought 8 ceramic plates which weighed a total of 2.4 kgs for \$16. In grams, what is the weight of each ceramic plate?

3. Lorna is carrying 3 plastic bags of grocery items. In her left hand, the bigger bag weighs 9 lbs 14 oz, while in her right hand, she's carrying 2 bags, each weighing 4lbs 2 oz. What is the total weight she's carrying?



4. Anna prepared 10 copies of annual financial reports weighing a total of 130 ounces which will be used for her presentation at their office meeting. Her boss asked her to produce 2 more copies of it. How much paper was used in each copy of the financial report? What is the total weight of paper she used?
5. One scoop of milk powder for babies is 30 grams. The tin of milk powder contains 1.8 kgs. How many scoops does the tin hold?
6. 5 quarters weigh 1 ounce. A bank collected 9,000 quarters last month from their clients. The bank collected about _____ lbs of quarters.
- a. 100
 - b. 200
 - c. 300
 - d. 350

Answers

- $1.1 = 1,100 \text{ g}$
 $1,100 - 250 \text{ g} = 850 \text{ g}$
The sugar weighs 850 g.
- $2.4 \text{ kgs} = 2,400 \text{ g}$
 $2,400 \div 8 = 300 \text{ g}$
Each ceramic plate weighs 300 g.
- Right hand: $4 \text{ lbs } 2 \text{ oz} + 4 \text{ lbs } 2 \text{ oz} = 8 \text{ lbs} + 4 \text{ oz}$
 $9 \text{ lbs } 14 \text{ oz} + 8 \text{ lbs} + 4 \text{ oz} = 17 \text{ lbs } 18 \text{ oz} = 18 \text{ lbs } 2 \text{ oz}$
Lorna is carrying 18 lbs. 2 oz. of grocery items.
- $130 \div 10 = 13$
Each copy of the financial report weighs 13 oz.
Extra copies: $13 \times 2 = 26$
 $130 + 26 = 156 \text{ oz}$
- $1.8 \text{ kgs} = 1,800 \text{ g}$
 $1,800 \div 30 = 60$
The tin holds 60 scoops of milk powder.
- $9,000 \div 5 = 1,800$
 $1,800 \text{ ounces} = 112.5 \text{ pounds}$
Answer is (a).