

MY Homework

Lesson 4

Solve Mass Problems

Homework Helper



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Three small packets of peanuts have a total mass of 30 grams. Each packet has the same mass. What is the mass of 1 packet of peanuts?

1 Write an equation with a letter for the unknown.

$$30 \div 3 = m$$

2 Divide to find the answer.

$$30 \div 3 = 10$$

$$m = 10 \text{ grams}$$

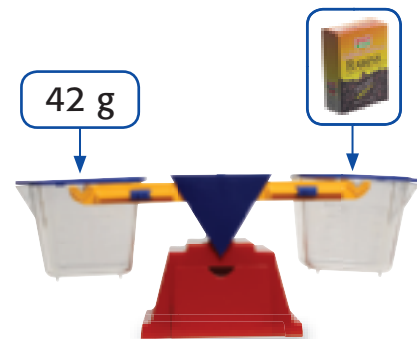
So, 1 packet of peanuts has a mass of 10 grams.

Practice

Algebra Write an equation with a letter for the unknown. Then solve.

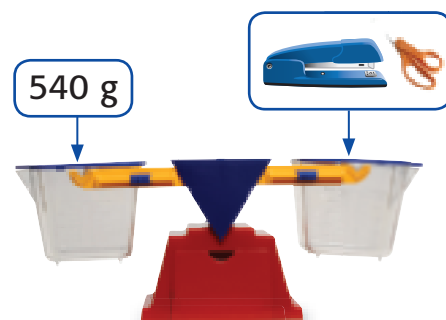
1. What is the mass of 2 boxes of raisins?

$$42 + 42 = x; 84 \text{ g}$$



2. The scissors have a mass of 90 grams. What is the mass of the stapler?

$$540 - 90 = s; 450 \text{ g}$$



Algebra Solve for the unknown.

3. $511 \text{ kilograms} + \blacksquare = 720 \text{ kilograms}$
 $\blacksquare = \underline{209} \text{ kilograms}$

4. $90 \text{ grams} \div \blacksquare = 10 \text{ grams}$
 $\blacksquare = \underline{9}$

5. $\blacksquare \text{ grams} - 138 \text{ grams} = 704 \text{ grams}$
 $\blacksquare = \underline{842}$

6. $\blacksquare \times 20 \text{ kilograms} = 80 \text{ kilograms}$
 $\blacksquare = \underline{4}$



Problem Solving

7. Melinda's pair of ski boots and skis have a mass of 6 kilograms. What is the mass of one ski boot and one ski?


3 kilograms

8. A full bag of oatmeal has a mass of 560 grams. Cooper uses 80 grams of oatmeal to make breakfast for his family. What is the mass of the remaining oatmeal?

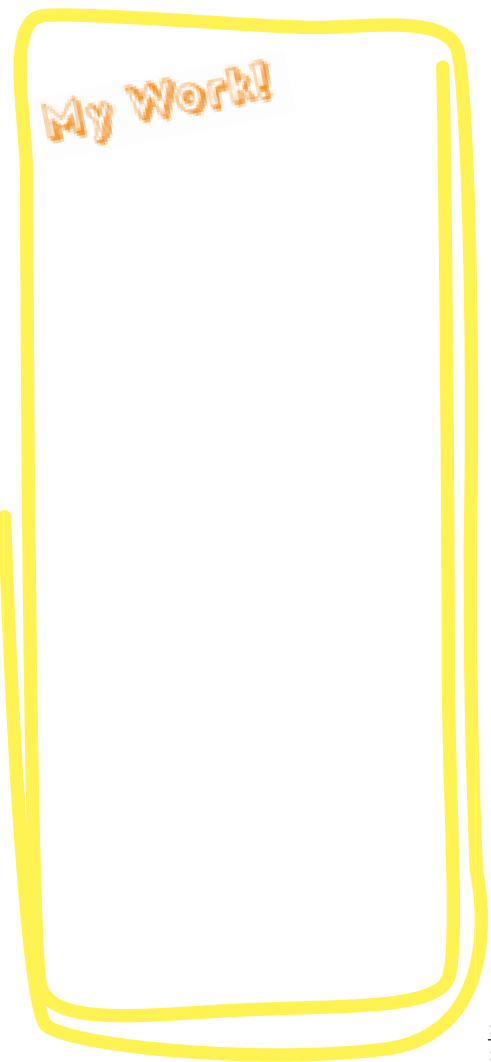
480 grams

9. Each bag can hold a mass of 3 kilograms. Wade has 24 kilograms of fruit to divide equally. How many bags will he need?

8 bags

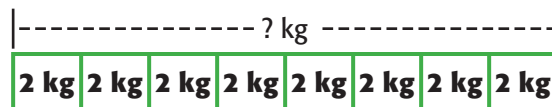
10. **Mathematical PRACTICE**  **Use Number Sense** Each of the four girls on Chantelle's relay team got a swimming medal. One medal has a mass of 16 grams. What is the total mass of the relay team's medals?

64 grams



Test Practice

11. Jennifer's cats eat 2 kilograms of food per month. How much food do the cats eat in 8 months?



- (A) 4 kilograms (C) 14 kilograms
(B) 10 kilograms (D) 16 kilograms