

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.

$$30 \div 3 = 10$$

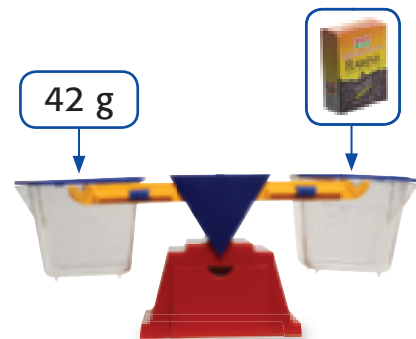
$$m = 10 \text{ grams}$$

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

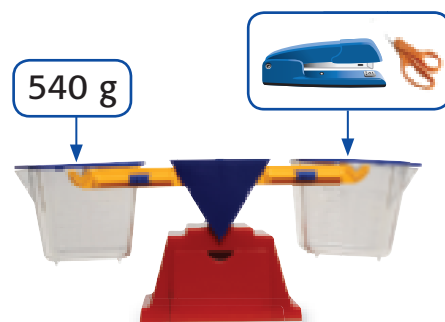
Practice

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

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



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



Algebra Solve for the unknown.

3. $511 \text{ kilograms} + \blacksquare = 720 \text{ kilograms}$ 4. $90 \text{ grams} \div \blacksquare = 10 \text{ grams}$
 $\blacksquare = \underline{\hspace{2cm}}$ kilograms $\blacksquare = \underline{\hspace{2cm}}$

5. $\blacksquare \text{ grams} - 138 \text{ grams} = 704 \text{ grams}$ 6. $\blacksquare \times 20 \text{ kilograms} = 80 \text{ kilograms}$
 $\blacksquare = \underline{\hspace{2cm}}$ $\blacksquare = \underline{\hspace{2cm}}$




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?

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?

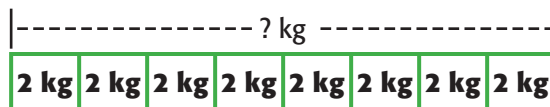
9. Each bag can hold a mass of 3 kilograms. Wade has 24 kilograms of fruit to divide equally. How many bags will he need?

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?

My Work!

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