MY Homework

Lesson 3

Metric Units of Mass

Homework Helper

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Geneva subscribes to a nature magazine. Is it reasonable to estimate that the mass of one issue of the magazine is 25 grams or 25 kilograms?

eHelp

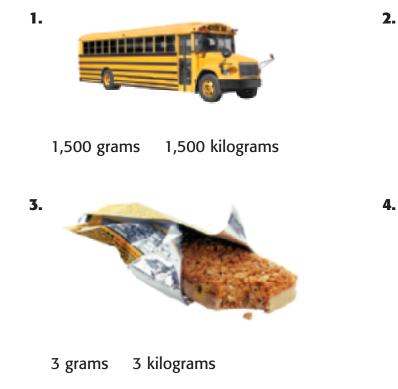
Twenty-five kilograms is too much.

You know that the mass of 1 penny is about 1 gram. Imagine holding 25 pennies in one hand and a magazine in the other. They would probably feel about the same.

So, it is reasonable to say the mass of one magazine is about 25 grams.

Practice

Circle the more reasonable estimate for each mass.





5 grams 5 kilograms



14 kilograms 14 grams

Complete the table by writing a reasonable unit of mass, grams or kilograms, for each object.

	_	
	Mass of Fruits and Vegetables	
	Object	Mass (g or kg)
5.	grape	1
6.	pumpkin	2
7.	apple	150
8.	cantaloupe	1
9.	potato	1





Problem Solving

- **10.** The mass of a pen cap is 1 unit. What metric unit, gram or kilogram, was used to measure the mass of the pen cap?
- Mathematical Explain to a Friend Julio is buying a carton of blueberries that has a mass of 100 grams. Is it reasonable to say that there are 250 blueberries in the carton? Explain.

Vocabulary Check

Match each vocabulary term to its definition or example.

- 12. kilogram
- 13. mass

14. gram

- the amount of matter an object has
- a metric unit of mass equal to about 1 penny
- 1,000 grams

Test Practice

15. Which is a reasonable estimate for the mass of a toothbrush?

 (A) 2 grams
 (B) 20 grams
 (C) 200 grams
 (D) 2,000 grams

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