

Lesson 4 Reteach

Solve Mass Problems

Mass is the amount of matter an object has. The metric units of mass that you will be working with are gram (g) and kilogram (kg).

Six watermelons have a mass of 54 kilograms. What is the mass of 1 watermelon?

This problem gives you the total mass of 6 watermelons and asks for the mass of 1 watermelon. You can use division to find the answer.

$$54 \text{ kilograms} \div 6 = 9 \text{ kilograms}$$

So, 1 watermelon has a mass of 9 kilograms.

Write an equation to solve each problem.

1. A pair of sunglasses has a mass of 5 grams. A sunhat has a mass of 12 grams. What is the total mass of the sunglasses and sunhat?

$$5 \text{ g} + 12 \text{ g} = 17 \text{ g}$$

2. A tennis racket and ball have a combined mass of 336 grams. The mass of the ball is 56 grams. What is the mass of the tennis racket?

$$336 \text{ g} - 56 \text{ g} = 280 \text{ g}$$

3. Wendy has identical medals with a total mass of 56 grams. Each medal has a mass of 7 grams. How many medals does Wendy have?

$$56 \text{ g} \div 7 \text{ g} = 8 \text{ medals}$$

4. Truman stacked 11 cartons of books at the warehouse. Each carton has a mass of 5 kilograms. What is the total mass of the cartons Truman stacked?

$$5 \text{ kg} \times 11 = 55 \text{ kg}$$