

Name: _____

Grams and Kilograms

A **gram** (g) is used to measure the weight or mass of very light objects.
A small paperclip weighs about a gram.

A **kilogram** (kg) is used to measure the weight or mass of heavier objects.
A one-liter bottle of water weighs about a kilogram.

1 kilogram = 1,000 grams

$$3 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

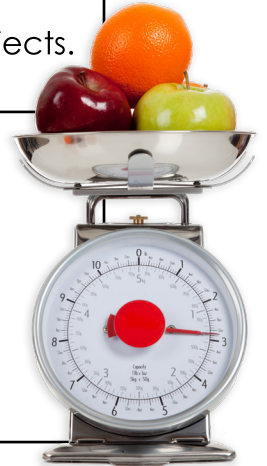
$$6,000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

$$3 \text{ kg} \times 1,000 = 3,000 \text{ g}$$

$$6,000 \div 1,000 = 6 \text{ kg}$$

$$3 \text{ kg} = 3,000 \text{ g}$$

$$6,000 \text{ g} = 6 \text{ kg}$$



- A squirrel weighs about....
a. 10 grams **b.** 100 grams **c.** 1 kilogram
- A cell phone weighs about...
a. 1 gram **b.** 120 grams **c.** 2 kilograms
- A watermelon weighs about...
a. 500 grams **b.** 2 kilograms **c.** 13 kilograms
- 8 kg = _____ g
- 2,000 g = _____ kg
- 5,000 g = _____ kg
- 7 kg = _____ g
- 10,000 g = _____ kg
- 30 kg = _____ g
- Jan's cat weighs 4 kg. Carl's cat weighs 2,900 grams. Whose cat is heavier? Explain.

ANSWER KEY

Grams and Kilograms

A **gram** (g) is used to measure the weight or mass of very light objects.
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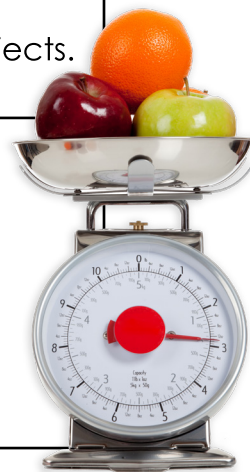
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a. 1 gram **b. 120 grams** c. 2 kilograms
- A watermelon weighs about...
a. 500 grams b. 2 kilograms **c. 13 kilograms**
- 8 kg = **8,000** g 5. 2,000 g = **2** kg
6. 5,000 g = **5** kg 7. 7 kg = **7,000** g
8. 10,000 g = **10** kg 9. 30 kg = **30,000** g

10. Jan's cat weighs 4 kg. Carl's cat weighs 2,900 grams. Whose cat is heavier? Explain.

Jan's cat weighs more. Four kilograms equals 4,000 grams.

4,000 is greater than 2,900, therefore Jan's cat is heavier.