

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**

$$3 \text{ kg} = \underline{\quad\quad} \text{ g}$$

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

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

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

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

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



- 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.

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# ANSWER KEY

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A one-liter bottle of water weighs about a kilogram.

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

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

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

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

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- 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 = **8,000 g**
- 2,000 g = **2 kg**
- 5,000 g = **5 kg**
- 7 kg = **7,000 g**
- 10,000 g = **10 kg**
- 30 kg = **30,000 g**
- 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.**