

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

$3.7 \text{ kg} = \underline{\quad} \text{ g}$

$6,200 \text{ g} = \underline{\quad} \text{ kg}$

$3.7 \text{ kg} \times 1,000 = 3,700 \text{ g}$

$6,200 \div 1,000 = 6.2 \text{ kg}$

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

$6,200 \text{ g} = 6.2 \text{ kg}$



1. A pencil weighs about... **a.** 3 grams **b.** 500 grams **c.** 1.2 kilograms
2. A gallon of milk weighs about... **a.** 39 grams **b.** 3.9 kilograms **c.** 39 kilograms
3. A pineapple weighs about... **a.** 2.2 kilograms **b.** 22 kilograms **c.** 222 grams
4. $8.7 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$
5. $2,200 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$
6. $5,100 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$
7. $7.1 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$
8. $12,000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$
9. $35.7 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$
10. June's pet guinea pig weighs 950 grams. Larry's pet rabbit weighs 2.1 kilograms. How much more does Larry's pet weigh than June's? Explain how you found your answer.

ANSWER KEY

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- A pencil weighs about...
a. **3 grams** b. 500 grams c. 1.2 kilograms
- A gallon of milk weighs about...
a. 39 grams b. **3.9 kilograms** c. 39 kilograms
- A pineapple weighs about...
a. **2.2 kilograms** b. 22 kilograms c. 222 grams
- 8.7 kg = **8,700 g**
- 2,200 g = **2.2 kg**
- 5,100 g = **5.1 kg**
- 7.1 kg = **7,100 g**
- 12,000 g = **12 kg**
- 35.7 kg = **35,700 g**
- June's pet guinea pig weighs 950 grams. Larry's pet rabbit weighs 2.1 kilograms. How much more does Larry's pet weigh than June's? Explain how you found your answer.

Larry's rabbit weighs 1,150 grams (or 1.2 kg) more than June's guinea pig.
To find this, convert the weight of Larry's rabbit to grams (2,100 grams) and subtract the weight in grams of June's guinea pig.