

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 pen \_\_\_\_\_

2. A gallon \_\_\_\_\_

3. A pin \_\_\_\_\_



# ~ PREVIEW ~

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\_\_\_\_\_ kilograms

\_\_\_\_\_ kilograms

\_\_\_\_\_ grams

4.  $8.7 \text{ kg} = \underline{\quad\quad\quad} \text{ g}$

5.  $2,200 \text{ g} = \underline{\quad\quad\quad} \text{ kg}$

6.  $5,100 \text{ g} = \underline{\quad\quad\quad} \text{ kg}$

7.  $7.1 \text{ kg} = \underline{\quad\quad\quad} \text{ g}$

8.  $12,000 \text{ g} = \underline{\quad\quad\quad} \text{ kg}$

9.  $35.7 \text{ kg} = \underline{\quad\quad\quad} \text{ g}$

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.

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# ANSWER KEY

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1. A paperclip weighs about \_\_\_\_\_

2. A gallon of water weighs about \_\_\_\_\_

3. A pineapple weighs about \_\_\_\_\_



# ~ PREVIEW ~

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\_\_\_\_\_ kilograms

\_\_\_\_\_ kilograms

\_\_\_\_\_ grams

4.  $8.7 \text{ kg} = \underline{8,700 \text{ g}}$

5.  $2,200 \text{ g} = \underline{2.2 \text{ kg}}$

6.  $5,100 \text{ g} = \underline{5.1 \text{ kg}}$

7.  $7.1 \text{ kg} = \underline{7,100 \text{ g}}$

8.  $12,000 \text{ g} = \underline{12 \text{ kg}}$

9.  $35.7 \text{ kg} = \underline{35,700 \text{ g}}$

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.

**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.**