

Metric Units of Weight

In the metric system, each unit is 10 of the smaller unit. For example, 1 dekagram is 10 grams. But dekagrams and hectograms are not commonly used. We only use kilograms and grams.

You just need to remember that **1 kg = 1,000 g**. The word “kilo” actually means a thousand!



1. Choose the right weight for each thing.

<p>a. a 10-year old boy</p> <p>1 kg 30 g 30 kg</p>	<p>b. a cat</p> <p>2 kg 200 g 2,000 g</p>	<p>c. an apple</p> <p>1 kg 100 g 1 g</p>
<p>d. a table</p> <p>2 kg 200 g 20 kg</p>	<p>e. a pencil</p> <p>5 g 5 kg 500 g</p>	<p>f. an adult woman</p> <p>50 kg 200 kg 5 kg</p>

2. One kilogram is thousand grams. Fill in the table.

kilograms	1/2	2	3	3 1/2	5	10	12
grams							

kilograms							
grams	500	1,000	4,000	4,500	6,000	10,000	40,000

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

To change 3 kg into grams, multiply by 1,000: $3 \times 1,000 \text{ g} = 3,000 \text{ g}$

To change 5 kg 50 g into grams, first convert the 5 kg into grams: $5 \times 1,000 \text{ g} = 5,000 \text{ g}$.

Then, add the 50 grams: $5,000 \text{ g} + 50 \text{ g} = 5,050 \text{ g}$.

3. Convert to grams.

<p>a. 2 kg = _____ g</p> <p>3 kg = _____ g</p> <p>4 kg = _____ g</p>	<p>b. 1 kg 600 g = _____ g</p> <p>8 kg 80 g = _____ g</p> <p>2 kg 450 g = _____ g</p>	<p>c. 8 kg 600 g = _____ g</p> <p>5 kg 8 g = _____ g</p> <p>7 kg 41 g = _____ g</p>
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