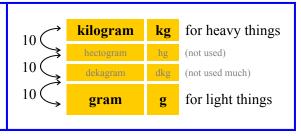
## **Metric Units of Weight**

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.

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

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 kg = 1,000 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.

<b>a.</b> 2 kg = g	<b>b.</b> 1 kg 600 g = g	<b>c.</b> 8 kg 600 g = g
$3 \text{ kg} = \ \text{g}$	8 kg 80 g = g	5 kg 8 g = g
4 kg = g	2 kg 450 g = g	7 kg 41 g = g

Sample worksheet from www.mathmammoth.com