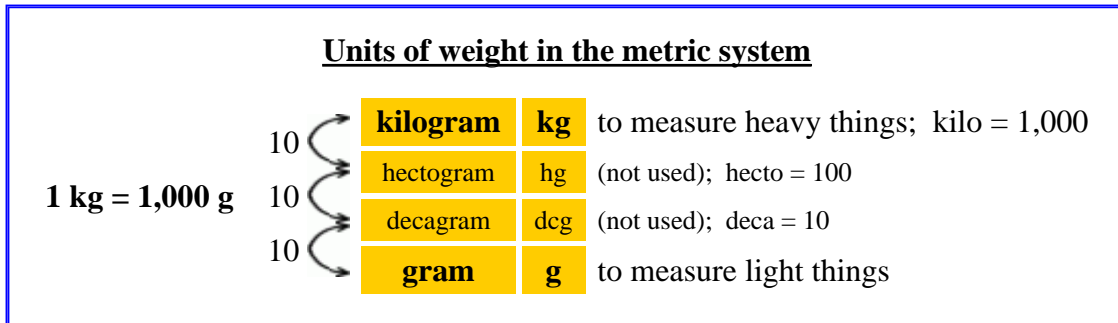


Measuring Weight in the Metric System



1. Fill in the table.

kilograms	2	2 1/2	3 1/2			10	
grams				7,000	9,500		20,000

2. Convert.

- a. 5 kg 400 g = _____ g b. 2,500 g = ___ kg ____ g c. 60 kg = _____ g
- 32 kg 40 g = _____ g 20,050 g = ___ kg ____ g 8 1/2 kg = _____ g

<p>When some weights are given in kilograms and some in grams, you can change them all to grams first.</p> <p>5 kg + 3 kg 650 g + 490 g = 5,000 g + 3,650 g + 490 g</p>	$\begin{array}{r} 5\ 0\ 0\ 0 \\ 3\ 6\ 5\ 0 \\ +\ 4\ 9\ 0 \\ \hline 9\ 1\ 4\ 0 \end{array}$ <p>Answer: 9,140 g or 9 kg 140 g</p>	<p>You can also add kilograms to kilograms and grams to grams. Remember that 1,000 grams makes a kilogram.</p> <p>4 kg 250 g + 5 kg 800 g = 9 kg 1,050 g = 10 kg 50 g</p>
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3. a. Jeremy received in the mail packages that weighed 700 g, 350 g, 4 kg 400 g, and 1 kg 900 g. What was the total weight of the packages?
- b. Angi bought three 1 1/2 kg packages and seven 400-gram packages of buckwheat flour. How much did all the flour weigh?
- c. You need 2 kg of flour to make bread. The scale shows you already have 1,050 g. How many more grams of flour do you need?
- d. A 200-gram bag of millet costs \$1.69. How many bags do you need for 1 kg of millet? What is the total cost?