

Metric Units of Weight 3

<u>Metric units of mass</u>	<u>Customary units of mass</u>	1. How many...
<p>milligram (centigram) gram (decagram) kilogram (hectogram)</p>	<p>16 ounce (short) ton</p>	<p>a. milligrams in a 1/2 gram? b. grams in 5 kilograms? c. ounces in 5 pounds? d. pounds in 3 tons? e. ounces in a ton?</p>

2. Weigh water on a scales (in a container, of course!). Remember to calibrate the scales with the empty container.

volume	100 mL	200 mL	250 mL	500 mL	1 L
weight in grams					
weight in oz					

3. Write < or > or = between the measurements. The above table can help, too!

- a. 35 oz 2 lb b. 6 oz $\frac{1}{2}$ lb c. $\frac{1}{2}$ ton 200 lb d. 4 lb 5 oz 77 oz
e. 500 mg $\frac{1}{2}$ g f. 400 g $\frac{1}{2}$ kg g. 2 kg 5,000 g h. 2 kg 2 lb

4. Which are reasonable measurements?

a. 7-year old boy 50 kg 77 kg 25 kg	b. a heavy suitcase 800 kg 11 lb 70 lb	c. 1 egg 640 g 64 g 17 oz
d. a pocketbook 900 g 3 oz 90 g	e. adult man 80 kg 160 kg 200 kg	f. washer 50 lb 150 kg 100 lb

5. Fill in a suitable unit of mass.

- a. A 5-gallon bucket full of water weighs 40 _____. c. An apple weighs 200 _____.
b. A heavy table weighs 70 _____. d. The letter weighed 3 _____.

6. Convert.

- 78 oz = ____ lb ____ oz 4 lb 9 oz = ____ oz 5 $\frac{1}{2}$ kg = ____ g
a. 190 oz = ____ lb ____ oz b. 28 lb 4 oz = ____ oz c. 500 mg = ____ g
42 oz = ____ lb ____ oz 2 $\frac{1}{2}$ tons = ____ lb 7 g = ____ mg