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Converting Metric

Science 8
Problem Solving Chapter
Lesson 2
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- 1000 g = 1 kilogram
- 1000 mg = 1 g
- 100 cm = 1 m

$$\frac{1000 \text{ g}}{1 \text{ kg}} = \frac{520 \text{ g}}{x \text{ kg}}$$

proportion

kg	Hg	Dkg	gram	dg	cg	mg
1000	100	10	1	0.1	0.01	.001

$$\frac{520}{1000} = \frac{x}{1000}$$

$$.52 \text{ kg}$$

75 Hg = 750,000 cg

75,0000.

8,000,000 kg

$$1000 \text{ g} = 1 \text{ kg}$$

$$\frac{1000}{1 \text{ kg}} = \frac{x}{8,000,000}$$

$$\frac{8,000,000 \text{ kg} (1000 \text{ g})}{1 \text{ kg}} = 8,000,000,000$$