

Weights and Measures

Martha is making black bean soup for a family picnic. She needs 8 batches. Multiply the amount of each ingredient by 8. Then, convert to the given units.

Black Bean Soup (Customary Measure)	
<u>1 Batch</u>	<u>8 Batches</u>
1 lb black beans	(128) oz
1/2 lb smoked ham hocks	(4) lb
2 quarts water	(4) gal
2 cups beef broth	(4) qt
1 cup tomato sauce	(4) pt

Black Bean Soup (Metric Measure)	
<u>1 Batch</u>	<u>8 Batches</u>
250 g black beans	(2) kg
125 g smoked ham hocks	(1) kg
2 L water	(16,000) mL
500 mL beef broth	(4) L
250 mL tomato sauce	(2) L

Convert these animal weights in customary units.

Animal	Weight (lb)	Weight (oz)
Chicken	6 lb	(96 oz)
Otter	(13 lb)	208 oz
Bobcat	18 lb	(288 oz)
Porcupine	(25 lb)	400 oz
Coyote	75 lb	(1,200 oz)
Alligator	(150 lb)	2,400 oz

Convert these animal weights in metric units.

Animal	Weight (kg)	Weight (g)
Chicken	(3 kg)	3,000 g
Otter	6 kg	(6,000 g)
Bobcat	8 kg	(8,000 g)
Porcupine	(11 kg)	11,000 g
Coyote	34 kg	(34,000 g)
Alligator	(68 kg)	68,000 g

Convert these animal weights in customary units.

Animal	Weight (T)	Weight (lb)
Tractor	8 T	(16,000 lb)
Indian elephant	4 T	8,000 lb