

	<u>A</u>	<u>B</u>	<u>C</u>
<u>Total Bean</u>	100	80	120
<u>Mass</u>	25g	30g	20g
<u>Mass/Bean</u>	$\frac{25g}{100}$	$\frac{30g}{80}$	$\frac{20g}{120}$
	0.25g	0.38g	0.16g
<u>Frac. Abund</u>	$\frac{100}{300}$	$\frac{80}{300}$	$\frac{120}{300}$
	0.33	0.27	0.40

Total Bean

$$A + B + C = 300$$

$$\text{Mass/Bean} = \frac{\text{Mass}}{\# \text{ Bean (A, B, or C)}}$$

$$\text{Frac. Abund} = \frac{\# \text{ Bean}}{\# \text{ Total Bean}}$$

$$\text{Avg. Atomic} = \sum \frac{\text{Mass}}{\text{Bean}} \cdot \text{Frac. Abund.}$$

$$(0.25 \cdot 0.33) + (0.38 \cdot 0.27) + (0.16 \cdot 0.40) = 0.25g/\text{Bean}$$