Assignment 1I – Average Atomic Mass (*Part 1*)
In Class Example

Define Fractional Abundance	Define Ratio
A Part of a whole A ◯ 10 (Total/20) $^{10}/_{20}$ = 0.50 B ◯ 10 $^{10}/_{20}$ = 0.50	Compare the frac. abund. of each object in a whole. (FA X Value)

Calculate the average values for the following situations

A local coffee shop sells four sizes of coffee during breakfast

Size	Small	Medium	Large	XL
Cost	2.50	4.00	5.50	7.00
% Abund	1.1%	58.3%	15.2%	25.4%
Frac* Abund	0.011	0.583	0.152	0.254

*Divide by 100%

$$\frac{1.1\%}{100\%} = 0.011$$

Size	Cost	X	Frac Abundance	=	Ratio
Small	2.50	X	0.011	=	0.0275
Medium	4.00	X	0.583	=	2.332
Large	5.50	X	0.152	=	0.836
XL	7.00	X	0.254	=	1.778

Calculate the average selling price for a coffee at the coffee shop

Ratio Small		Ratio Medium		Ratio Large		Ratio XL		Average Coffee Cost
0.0275	+	2.332	+	0.836	+	1.778	=	4.97

Rnd to 2 after