

## Finding the Average

The <i>Old</i> Way	
100	
100	
100	
100	
100	
100	
90	
90	
90	
50	
<b>TOTAL</b>	920
<b>AVERAGE</b>	92

The <i>New</i> Way				
Score ( <i>x</i> )	Frequency ( <i>f</i> )	Product ( <i>fx</i> )	Percentage ( <i>p</i> )	Product ( <i>px</i> )
100	6	600	0.6	60
90	3	270	0.3	27
50	1	50	0.1	5
<b>TOTAL</b>	10	920	1.0	92
<b>AVERAGE</b>		92		92

$$x_{AVG} = \sum_{y=1}^n p_y x_y = p_1 x_1 + p_2 x_2 + \dots + p_n x_n$$