Rate of Change

Rate of change compares two quantities, x and y, that are changing.

Reminder: the x variable normally represents time like minutes, hours, months, years, etc.

At 9:15 you have typed 275 words. By 9:27, you have typed
 660 words. What is your average change in words per minute?

Rate of Change =
$$\frac{\text{change of } x}{\text{change of } x}$$

$$\frac{385}{12}$$

$$32 \text{ w.p.m.}$$

Table of Minimum Wage Amounts

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×	Year	Wage	Y
	1960	\$1.00	′
	1970	\$1.20	
	1980	\$3.10	
	1990	\$3.80	
	2000	\$5.15	
	2010	\$7.25	

2. What is the average yearly increase from 1980 - 1990?

What is the average yearly increase from 1960 - 2010?