TH-MF Math Fundamentals 4/21

1.) 36% = 0.36

2.) 267% = 2.67

Move left 2 spaces

3.) 1087% = 10.87

4.) .05% = 0.05

1.) 2.72 = 272%

2.) 0.56 56%

3.) 824.10 82410%

4.) 0.09 9%

5.) 0.006 0.6%

1.) What is 20% of 95?

$$\underline{\quad} = 0.20 * 95$$

$\boxed{19}$

2.) What is 150% of 38?

$$\underline{\quad} = 1.5 * 38 = \boxed{57}$$

3.) What is 10% of 186?

$$\underline{\quad} = 0.10 * 186 = \boxed{18.6}$$

Nate ate 68 cookies on Tuesday.

If he ate 25% more cookies on Wednesday, how many did he eat?

Increase + 100%

$68 * (100 + 25)\%$

$68 * 125\%$

$68 * 1.25 = \boxed{85}$

At the start of the school year, 80 students respected Nate. By now, that number has <u>decreased</u> by <u>90%</u>.
At this moment, how many students respect Nate?

Percent decrease

$$100\% - 90\% = \boxed{10\%}$$

$$80 * 10\%$$

$$80 * 0.10 = 8$$

Last year, Nate cried for 88 minutes each night. If his intense crying episodes increased by 25%, how long does he cry per night now?

$$100 + 25 = 125\%$$

$$88 * 125\%$$

$$88 * 1.25 = 110$$

Percent Change

$$\frac{\text{new} - \text{old}}{\text{old}} * 100\%$$

Movie ticket

2020

$9.16

1980

$3.47

$$\frac{\$9.16 - \$3.47}{\$3.47} * 100\%$$

$$\frac{\$5.69}{\$3.47} = 1.639 * 100\%$$

163.9%

Average salary

2020

53,000

1980

$21,000

$$\frac{\text{new} - \text{old}}{\text{old}} * 100\%$$

$$\frac{53{,}000 - 21{,}000}{21{,}000} * 100\%$$

$$\frac{32{,}000}{21{,}000} = 1.52 * 100$$

152% increase

Average Price for House

2020 new

288,000

1980 old

47,000

$$\frac{\text{new} - \text{old}}{\text{old}} * 100\%$$

$$\frac{288{,}000 - 47{,}000}{47{,}000} * 100\%$$

$\boxed{512\%}$