

T-MF Math Fundamentals Week 25 3/21

1.) $\underbrace{36\%}_{\rightarrow} \rightarrow \boxed{0.36}$

2.) $\underbrace{267\%}_{\rightarrow} \rightarrow \boxed{2.67}$

3.) $\underbrace{1087\%}_{\rightarrow} \rightarrow \boxed{10.87}$

4.) $\underbrace{5\%}_{\rightarrow} \rightarrow \boxed{0.05}$

1.) $\underbrace{2.72}_{\rightarrow} \rightarrow \overset{\%}{\boxed{272\%}}$

2.) $0.56 \rightarrow \boxed{56\%}$

3.) $\underbrace{824.10}_{\rightarrow} \rightarrow \overset{\%}{\boxed{82410\%}}$

4.) $\underbrace{0.09}_{\rightarrow} \rightarrow \overset{\%}{\boxed{9\%}}$

5.) $\underbrace{0.006}_{\rightarrow} \rightarrow \overset{\%}{\boxed{0.6\%}}$

1.) What is 20% of 95?

$$\begin{array}{ccccccc} \text{What} & \text{is} & 20\% & \text{of} & 95? & & \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & & \\ \text{---} & = & 0.20 & * & 95 & = & \boxed{19} \end{array}$$

2.) What is 150% of 38?

$$\begin{array}{ccccccc} \text{What} & \text{is} & 150\% & \text{of} & 38? & & \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & & \\ \text{---} & = & 1.5 & * & 38 & = & \boxed{57} \end{array}$$

3.) What is 10% of 186?

$$\begin{array}{ccccccc} \text{What} & \text{is} & 10\% & \text{of} & 186? & & \\ \downarrow & \downarrow & \downarrow & \downarrow & \downarrow & & \\ \text{---} & = & 0.10 & * & 186 & = & \boxed{18.6} \end{array}$$

Last year, Nate cried for 86 minutes each night. If his intense crying episodes increased by 25%, how long does he cry per night now?

① Find the increase $0.25 * 86 = \boxed{21.5}$

② Add it to the original $86 + 21.5 = \boxed{107.5}$

Or... one step $86 * (1 + 0.25)$
 $86 * (1.25) = \boxed{107.5}$

2.) At the beginning of a bake sale, Nate had \$2,800 in his bank account. After an hour, his account decreased by 95%. How much was in Nate's bank account as he was being driven to the hospital?

$$\$2,800 * 0.95 = \$2660 \text{ spent}$$

$$2,800 - 2660 = \boxed{\$140}$$

$$\$2800 * (1 - 0.95)$$

$$\$2800 * (0.05) = \boxed{\$140}$$

<u>Percent</u>	<u>Change</u>	new 2020	1980
Average 2020	Salary 1980	\$53,000	\$21,000

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

old
1980

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

$$\frac{32,000}{21,000} * 100\%$$

$$1.52 = \boxed{152\%}$$

	<u>2020</u>	<u>1980</u>
Movie Ticket	\$9.16	\$3.47

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

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

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

$$1.64 * 100\% = \boxed{164\%}$$

Average Price for House	2020	1980	$\frac{\text{New-old}}{\text{old}} * 100\%$
	\$288,000	\$47,000	

$$\frac{288,000 - 47,000}{47,000} * 100\% = \boxed{512\%}$$

Average Price for a TV	2020	1980
	\$363	\$653

$$\frac{363 - 653}{653} * 100\% = -44\%$$

$\boxed{44\% \text{ decrease}}$

Average Price of a car	2020	1980
	\$38,000	\$7,000

$$\frac{38,000 - 7,000}{7,000} * 100\% =$$

$\boxed{441\%}$

