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Grade 8 MATH		UNIT 7 NOTES	Name:		
LINEAR	EQUATIONS and their GRAPHS		Class:		
UNIT Bar gr wic <u>he</u> spe	7: GRAPHS and Misinte aph: bars ath of bars must be the same ight of bars will vary ecific qualities of objects – land	rpretations rger values			
Circle pe	Graph: ercentages of objects given				
Doubl	e Bar Graph: wo sets of data on same bar g	graph			
Line g	raph: anges over time				
Pictog im lo	raph : ages represent numbers of c w numbers of objects	objects			
1.	Which is the best graph to u Eugene recorded the colour What is the best graph he s	<u>use?</u> r of every hat that (hould use to displa	entered your homeroom today. ay his data?		
2.	 To represent the percentage of favourite beverage for our Grade 8 Class, which graph would best represent the data? 				
3.	Which graph best shows th	e change in height	of a person from birth to age 15?		
4.	Which graph best shows th grades 6 to 9?	e recycling bottle t	 otals for both boys and girls from		
5. A)	Which graph goes with which da	ta? Two sets of dat	ta on one graph		
B)		percentages			
C)		low number of	fitems		
D)		Specific items	larger quantities		
E)		changes over t	ime		





 On your graph, axis scale does not Scale of axis too small Sector of circle graph <u>pulled away f</u> Bar <u>width</u> vary in bar graph/double Size of items not the same in pictog 	start at ZERO From the others e bar graph raph
10. For this graph, what is misleading?	CAMP ILUVDAWOODS
 A) A sector is separated from circ B) The key is not given. C) The scale on the axis does not start at zero. D) Size of the images are not the same. 	$\begin{array}{c c} \mathbf{KEY} & \mathbf{\widehat{U}} = 3 \\ \hline \mathbf{SITE} & \mathbf{STUDENT} \\ \hline 1 & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} \\ \hline 2 & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} \\ \hline 3 & \mathbf{\widehat{Q}} & \mathbf{\widehat{Q}} & \mathbf{\widehat{Q}} & \mathbf{\widehat{Q}} & \mathbf{\widehat{Q}} \\ \hline 4 & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} & \mathbf{\widehat{U}} \\ \hline \end{array}$
Theoretical Probability What you expect to happen in an experiment $P(A) = \frac{possible \ outcomes \ of \ Event \ A}{TOTAL \ number \ of \ possibilities}$	Experimental Probability What ACTUALLY happens In an experiment Theoretically, In coins P(H) = P(T)=
	In two coins P(HH)= P(TT)= P(TH)= IN bag with 4 red 5 blue and 1 yellow: P(R)= P (B)=





17. Given a bo what is P(wl of marbles with 2 purple, 7 red, 8 yellow, 1 white and 2 black, Y or P or Blue)?
18. When toss tails?	sing one coin three times, what is the probability of getting all
19. Mrs. Hyde she flippe experimer	decided to toss a coin 10 times and got 6 heads. She was bored so d the coin 90 times. Based on only the results of his first nt, how many tails should she get?
20. When flip A)	ping a coin, which is FALSE? ANSWER: Theoretically, you should get 5 heads and 5 tails when tossing it 10 times.
B) C) D)	Experimental probability does not always equal theoretical probability. The probability of getting heads or tails is a certain event. When you flip the coin 20 times, you always get 10 heads and 10 tails.

