PERCENTS Study Guide/Review



Name

Date LUS

Period _

Basic % Proportions, % of Change, Tax, Total Cost, Discount, Sale Price, Tip, Commission, % of Error

	% Proportions, % of Change, Tax, Total Cost, Discount, Sale Price, Hp, Commi	
1.	The best-selling book Samantha has been waiting for finally hit store shelves.	
	The paperback price costs \$21.56. What percent of discount was this off the	
	original hardback price of \$26.95?	0.07
	26.95 -21.56.39 discount 5.39 - X 26.95 - 100	
	21.32 24.00	1 X U10
		-
2.	Eric's dad asks him to figure out the tax on the meal his family just finished	
	eating at their favorite restaurant. The total bill for the meal is \$57.60. The tax	
	is 7.5%. What is the amount of tax they will pay for this meal?	
		(427)
	1 2 2 2 1 10110	4 6 70%
	7.5 37.60 \$4.32	
3.	For a party, Sue bought plastic plates for \$3.65, cups for \$4.25, three boxes of	
~ .	plastic table ware for \$0.99 each, and a plastic table cloth for \$6.75. Sales tax is	
	5.5%. What is the total cost for Sue's purchases, including tax?	and the same of th
	3.65+4.25+3(.99)+6.75=17.62	\$18,59
		18.0,
	1.055 × 17.62 \$18.59	
4.	Mr. Jones purchased a CD player for \$97.19 including tax. The CD player had a	
	sticker price of \$89.99. About what percent of sales tax did he pay? Round your	,
	answer to the nearest percent.	00
	19 72 X	
	97.199 - X -89.99 - 107	U/8
	-895 at 8927 106	
5.	The sales tay on a nurchase of \$55 is 7.5% Which expression represents the	
э. Т	The sales tax on a purchase of \$56 is 7.5%. Which expression represents the total cost of the purchase?	
9	total cosyol the purchase:	
	A. 7.5 × \$56	
	B. 0.075 × \$56	
	C. 0.025 × \$56	
	D. 1.075 × \$56	
	2012101011000	
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6.	Sammy served food to a group at a restaurant. The total cost of the food before	
	tax was \$62.00. The sales tax is 6% of the cost of food. The group asked Sammy	
	to add 20% for a tip based on the before tax total. What was the total cost for	
	the the food, tax, and tip?	10010
	6 - X 3 - 12 4 16 3	\$18.12
	the the food, tax, and tip? $\frac{6}{100} = \frac{1}{60} = \frac{1}{3} = \frac{1}{70} = \frac{1}{60} = \frac{1}{60} = \frac{1}{100} = \frac{1}{60} = \frac{1}{30} = \frac{1}{100} = \frac{1}{10$	1 1 1 1 1
_		
7.	A jewelry store marks its merchandise up by 80%. If the wholesale price of a	
	bracelet is \$55, what will the store charge for the retail price?	
	~ V Markup ==	19 ma
	80 - 4 (117)	PUIC
	100 = 55 \$ HEY THY	,
	<u> </u>	-
	- 1 1	

8.	Jillian calculates that she will take 95 minutes to run 7 miles. She runs the distance in 80 minutes. What is Jillian's percent error?]
	OS exclusion $\frac{3}{80} = \frac{x}{100}$	18.75%	2
9.	Eight-hundred people attended the movie theater on Sunday at 4:00. • 40% bought tickets for Daddy's Home • 48% bought tickets for Star Wars • 12% bought tickets for Kung Fu Panda 3 How many people purchased tickets to see Daddy's Home?	320	
10.	If Sean's dad paid \$41.40 on a meal that cost \$36, what percent tip did he pay?		
	41.40 5.40 = X 36 = 100	5%	
11.	All batteries were listed on sale for $\frac{1}{5}$ off the regular price. Keith usually pays \$6.99 for a battery for his watch. Which expression represents the sale price of Keith's purchase?		
•	A. 1.20(\$6.99) 50ff=20% off B. 0.2(\$6.99) 508 20% C. 0.8(\$6.99) Save 20% D. \$6.99-0.20 pm 80% -> 8 of 6-99		etamor de la companya
12.	In a certain week, the New York stock market went down from 1843 to 1612. What was the percent of decrease to the nearest tenth?		
	1843 <u>331 X</u> 1613 1843 100	12.5%	
13.	A real estate agent earns a weekly salary of \$200. This week he only sold one home for \$120,000 and is paid a commission of 5%. What are his earnings for the entire week?	\$6,200	
14.	Kelly bought 4 books at \$20 each. What was her total after the discount?		
33- ₄ -	Total Purchases Discount	\$64	
15.	Mr. Evans sells vehicles at Town and Country Ford. He earns a 2% commission for each car or truck he sells. If he sells a \$32,000 truck, what is the amount of commission he will earn for his sale?	\$646	

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16.	Claudia bought a television at 25% discount. The original price of the television	
	was \$349. There was a 7% sales tax. How much did she pay for the television,	
	including tax?	4
set set	15.75 (349) 15.75 (349) 10.7(261.15) 10.07(261.15)	7286.07
Son!	BOUNTSESONCE \$250 AT	1 /0000.01
1		
17.	Marina thinks the cost to rent scooters is \$100. The actual price is \$150. What is	:
•	Marina's percent error? (Write your answer as a mixed number)	
	X 50.	22-1
	150 = 50. 150 actual	003/0
18.	A package of blank CDs is advertised at 4 different stores. Which has the best	
	buy?	
. 1	A Store 1: 10% off the regular price of \$50 \$45	
2 5	B. Store 2: $\frac{2}{5}$ off the regular price of \$50 \$30	
£-400	800	
<i>5</i>	C. Store 3: 30% off the regular price of \$50 \$35 D. Store 4: $\frac{1}{4}$ off the regular price of \$50 \$137.50 He best	
1 2570	D. Store 4: $\frac{1}{4}$ off the regular price of \$50 \$137.50 The 600	
4-6	discomy	
` 19.	Gamers Depot marks up all video games 120%. If the wholesale price of a video	
	game is \$34, what is the amount of mark up?	
		dil
		1941.20
	100, 534	1400
20.	Serena's father tipped a taxi driver 20% for a \$25 ride. What was the amount of	
	the tip that he paid?	j j
	Chance of Control of C	4
	20 X	
	300 100	
	$\alpha \circ \omega$	Ą
21.	Zack shot an 86 on the golf course on Monday. On Friday he shot a 95. Which	
	proportion can you use to find the percent of increase in Zack's golf game?	
	A. $\frac{9}{86} = \frac{x}{100}$ B. $\frac{9}{95} = \frac{x}{100}$	\wedge
	706	<i>i</i>
	86 x 95 x	7
	C. $\frac{86}{95} = \frac{x}{100}$ D. $\frac{95}{86} = \frac{x}{100}$	* ¥ .
	86 100	
22.	Which does not represent a 25% increase?	
-	A. 24 to 30 → 25%.	
	A. 24 to 30 -> 25'. B. 32 to 40 -> 25'/.	
·-	C. 16 to 20 -> 25 /.	
	D. 50 to 64 - 28/.	
L-		