



Name _____

PERCENTS Study Guide/Review

Date _____ Period _____

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

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?	
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?	
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?	
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.	
5.	The sales tax on a purchase of \$56 is 7.5%. Which expression represents the total cost of the purchase? A. $7.5 \times \$56$ B. $0.075 \times \$56$ C. $0.025 \times \$56$ D. $1.075 \times \$56$	
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?	
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?	

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?									
9.	Eight-hundred people attended the movie theater on Sunday at 4:00. <ul style="list-style-type: none">• 40% bought tickets for <i>Daddy's Home</i>• 48% bought tickets for <i>Star Wars</i>• 12% bought tickets for <i>Kung Fu Panda 3</i> How many people purchased tickets to see <i>Daddy's Home</i> ?									
10.	If Sean's dad paid \$41.40 on a meal that cost \$36, what percent tip did he pay?									
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. $1.20(\$6.99)$ B. $0.2(\$6.99)$ C. $0.8(\$6.99)$ D. $\$6.99 - 0.20$									
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?									
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?									
14.	Kelly bought 4 books at \$20 each. What was her total after the discount? <table border="1"><tr><td>Total Purchases</td><td>Discount</td></tr><tr><td>Less than \$25</td><td>10%</td></tr><tr><td>\$25 to \$50</td><td>15%</td></tr><tr><td>Over \$50</td><td>20%</td></tr></table>	Total Purchases	Discount	Less than \$25	10%	\$25 to \$50	15%	Over \$50	20%	
Total Purchases	Discount									
Less than \$25	10%									
\$25 to \$50	15%									
Over \$50	20%									
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?									

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?	
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)	
18.	<p>A package of blank CDs is advertised at 4 different stores. Which has the best buy?</p> <p>A. Store 1: 10% off the regular price of \$50</p> <p>B. Store 2: $\frac{2}{5}$ off the regular price of \$50</p> <p>C. Store 3: 30% off the regular price of \$50</p> <p>D. Store 4: $\frac{1}{4}$ off the regular price of \$50</p>	
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?	
20.	Serena's father tipped a taxi driver 20% for a \$25 ride. What was the amount of the tip that he paid?	
21.	<p>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?</p> <p>A. $\frac{9}{86} = \frac{x}{100}$ B. $\frac{9}{95} = \frac{x}{100}$</p> <p>C. $\frac{86}{95} = \frac{x}{100}$ D. $\frac{95}{86} = \frac{x}{100}$</p>	
22.	<p>Which does not represent a 25% increase?</p> <p>A. 24 to 30</p> <p>B. 32 to 40</p> <p>C. 16 to 20</p> <p>D. 50 to 64</p>	