Name:	Block
7 th Grade Math	h: Unit 4 Percents Study Guide
Show all work on each question be	low.
1. AT&T buys cell phones for \$2 they charge for the retail price?	299. They want to make a 36% profit. What should 299(36%)= 107.64
Aprend to	3406.64
	racelets to sell at school. She is marking up the price retail price of an item with an original cost of p
a) 0.74p b) p/0.74	c) 0.26p d) 1.74p
L Hilles to to deading sharp through the I 15 78 and solve 166 to 7.27 and a	each
on sale of 15%. StuCo bought 4 motostal amount after 5 years?	ested at a simple interest rate of 3%. What is the
5500(3%)((5) = 4825 in interest + $825 = (46325)$ total
5500	+ 825 = (\$ 6325 total)

5. Ms. Basnett spent \$25.69 at Madison's before taxes. If the sales tax is 7.5% and a 20% tip is added, what is the total cost of the meal?

25.69(7.5%) = 1.93 tax 25.69 + 1.93 = 27.62 total 27.62(20%) = 5.52 tip27.62 + 5.52 = \$33.14 total

Use the table below to answer questions 6 and 7. Round your answers to the nearest tenth.

Participation Totals

Town	January	February
Seacrest	15 inches	8 inches
Hillsboro	5 inches	6 inches
Lake Landing	12 inches	11 inches

6. Find the percent of decrease for Seacrest.	amt of change
15-8 - 7	To original aint
15 15 140	1/0)
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7. One town had an increase in participation. Find the percent of increase.

Use the table below to answer question 8.

Sales Tax in Cities	
Jefferson City 7.5%	8
 Columbia - 6.4%	
 St. Louis - 8.2%	
Kansas City - 7.8%	

8. Audra wants to buy a pair of jeans for \$55. How much more will they cost her in St. Louis than in Kansas City? 5+L

Louis than in Kansas City?
$$5+1$$

 $55(8.2\%)=1.51$
 $55(7.8\%)=1.29$
 $55(7.8\%)=1.29$
9. Shelby is saving for an iphone 7. She estimates that she will need \$315. However,

9. Shelby is saving for an iphone 7. She estimates that she will need \$315. However she forgot about the cost of the case and taxes. The actual price of an iphone 7 is \$599. What is Shelby's percent of error?

	A toy store marks down every ng January?	toy by 15% in January. How much does a toy cost
Α	15% of the original price	(6%)
B	85% of the original price	(100% - 15% = 85%)

11. If a Hatchimal costs \$24.99 in December. How much does it cost in January at the same toy store? 24.99(15%) = 3.75 off

24.99 - 3.75 = \$21.24

12. Trent wants to buy a new pair of Yeezy shoes for \$169.99. There is a 7% sales tax. What is the total cost of his shoes?

169.99(7%)-11.90

169.99 + 11.90=

13. Abbey is ordering pizza from Dominos. She has a 20% off coupon. If the pizza costs \$15.99 and sales tax is 7.22%, what is her final cost? (Discount taken before taxes)

15.99 (20%) = 3.20

15% more than the original price

C.

12.79 (7.22%)= .92

15.99-3.20=

12.79+.

+13.711