

Math 6 - Unit 2: Ratios, Rates & Proportional Reasoning Name: _____

Get a Clue (Percents)

Class Period: 1 2 3 4 Date: _____

Solve each problem. Show ALL work and CIRCLE your answers. Use your answers and the answer table to remove options and figure out Who? Where? and What?

1) What is 20% of 200?	2) What is 15% of 200?	3) A baseball team won 75% of its games. If they played 120 games, how many did they win?
4) At ECMS 476 6 th graders ride the bus. If this is 85% of 6 th graders, how many total 6 th graders are there?	5) 18 is 40% of what number?	6) If your total bill at a restaurant is \$42 and you leave a 20% tip, how much tip did you leave?
7) Dorian has \$300. He spent 5% of his money. How much money did he spend?	8) 14 out of 56 students got an A. What % got an A?	9) What is 22% of 300?
10) In a school, 25% of 312 students bring their lunch from home. What % do not bring their lunch from home?	11) 60% of the 30 students study Spanish. How many students study Spanish?	12) What is 20% of 45?

13) A shirt that costs \$20 is on sale for 10% off. How much does the shirt cost after the discount?	14) What is 25% of 52?	15) There are 20 girls in a class. If this is 40% of all students, how many total students are in the class?
16) What is 2% of 100?	17) Chicken costs \$15 per package and you pay 10% sales tax. How much sales tax do you pay?	18) 18 is 75% of what number?
19) It costs \$30 to get your hair cut. You leave a 20% tip. How much tip do you leave?	20) 7 is what percent of 70?	21) 22% of the animals in a shelter were dogs. If there were 150 animals in the shelter, how many were dogs?

	Who?	Where?	What?
<p><i>Find your answers in the table to the right and cross out the box containing the answer.</i></p> <p><i>When you are done circle the person, place or thing that is left over in each column to solve the mystery.</i></p> 	The Flash 8.40	Gotham City 13	Lightning Bolt 90
	Batman 30	Wakanda 2	Cape 15
	Wonder Woman 75	Central City 24	Shrink Suit 560
	Superman 25	New York City 10	Force Field 50
	Ant Man 9	Bat Cave 17	Spider Web 6
	Black Widow 9.40	Avengers Tower 66	Necklace 1.50
	Black Panther 40	Metropolis 33	Lasso of Truth 99
	Spiderman 45	Wayne Tower 18	Batarang 18

Math 6 - Unit 2: Ratios, Rates & Proportional Reasoning Name: _____

Get a Clue (Percents)


ANSWER KEY

Class Period: 1 2 3 4 Date: _____

Solve each problem. Show ALL work and CIRCLE your answers. Use your answers and the answer table to remove options and figure out Who? Where? and What?

1) What is 20% of 200? 40	2) What is 15% of 200? 30	3) A baseball team won 75% of its games. If they played 120 games, how many did they win? 90
4) At ECMS 476 6 th graders ride the bus. If this is 85% of 6 th graders, how many total 6 th graders are there? 560	5) 18 is 40% of what number? 45	6) If your total bill at a restaurant is \$42 and you leave a 20% tip, how much tip did you leave? 8.40
7) Dorian has \$300. He spent 5% of his money. How much money did he spend? 15	8) 14 out of 56 students got an A. What % got an A? 25	9) What is 22% of 300? 66
10) In a school, 25% of 312 students bring their lunch from home. What % do not bring their lunch from home? 75	11) 60% of the 30 students study Spanish. How many students study Spanish? 18	12) What is 20% of 45? 9

13) A shirt that costs \$20 is on sale for 10% off. How much does the shirt cost after the discount? 18	14) What is 25% of 52? 13	15) There are 20 girls in a class. If this is 40% of all students, how many total students are in the class? 50
16) What is 2% of 100? 2	17) Chicken costs \$15 per package and you pay 10% sales tax. How much sales tax do you pay? 1.50	18) 18 is 75% of what number? 24
19) It costs \$30 to get your hair cut. You leave a 20% tip. How much tip do you leave? 6	20) 7 is what percent of 70? 10	21) 22% of the animals in a shelter were dogs. If there were 150 animals in the shelter, how many were dogs? 33

	Who?	Where?	What?
<p><i>Find your answers in the table to the right and cross out the box containing the answer.</i></p> <p><i>When you are done circle the person, place or thing that is left over in each column to solve the mystery.</i></p> 	The Flash 8.40	Gotham City 13	Lightning Bolt 90
	Batman 30	Wakanda 2	Cape 15
	Wonder Woman 75	Central City 24	Shrink Suit 560
	Superman 25	New York City 10	Force Field 50
	Ant Man 9	Bat Cave 17	Spider Web 6
	Black Widow 9.40	Avengers Tower 66	Necklace 1.50
	Black Panther 40	Metropolis 33	Lasso of Truth 99
	Spiderman 45	Wayne Tower 18	Batarang 18