Math 6 – Unit 2: Ratios, Rates & Proportional Reasoning

Name: _____

Get a Clue (Percents)

Class Period: 1   2   3   4   Date: _____

Who?

The Flash
Batman
Wonder Woman
Superman
Ant Man
Black Widow
Black Panther
Spiderman

Where?

Gotham City
Wakanda
Central City
New York City
Bat Cave
Avengers Tower
Metropolis
Wayne Tower

What?

Lightning Bolt
Cape
Shrink Suit
Force Field
Spider Web
Necklace
Lasso of Truth
Batarang

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 6th graders ride the bus. If this is 85% of 6th graders, how many total 6th 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? _____

Find your answers below to eliminate people, places and things to determine who did the crime, where they did it and what they did it with.

The Flash **8.40**	Batman **30**	Wonder Woman **75**
Superman **25**	Ant Man **9**	Black Widow **9.40**
Black Panther **40**	Spiderman **45**	Gotham City **13**
Wakanda **2**	Central City **24**	New York City **10**
Bat Cave **17**	Avengers Tower **66**	Metropolis **33**
Wayne Tower **18**	Lightning Bolt **90**	Cape **15**
Shrink Suit **560**	Force Field **50**	Spider Web **6**
Necklace **1.50**	Lasso of Truth **99**	Batarang **18**

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

Get a Clue (Percents)
ANSWER KEY

Class Period: 1   2   3   4   Date: _____

Who?			
The Flash Batman Wonder Woman Superman Ant Man **Black Widow** Black Panther Spiderman	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 6th graders ride the bus. If this is 85% of 6th graders, how many total 6th 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**
Where?			
Gotham City Wakanda Central City New York City **Bat Cave** Avengers Tower Metropolis Wayne Tower	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**
What?			
Lightning Bolt Cape Shrink Suit Force Field Spider Web Necklace **Lasso of Truth** Batarang	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?** _____