


**Math 6 - Unit 2: Ratios, Rates & Proportional Reasoning** Name: \_\_\_\_\_

Get a Clue (Percents)

Class Period: 1 2 3 4 Date: \_\_\_\_\_

|  |   |  |   |
|--|---|--|---|
| <p><b>Who?</b></p> <p>The Flash<br/>Batman<br/>Wonder Woman<br/>Superman<br/>Ant Man<br/>Black Widow<br/>Black Panther<br/>Spiderman</p>   | <p>1) What is 20% of 200?</p>   | <p>2) What is 15% of 200?</p>                              | <p>3) A baseball team won 75% of its games. If they played 120 games, how many did they win?</p>                    |
| <p><b>Where?</b></p> <p>Gotham City<br/>Wakanda<br/>Central City<br/>New York City<br/>Bat Cave<br/>Avengers Tower<br/>Metropolis<br/>Wayne Tower</p>  | <p>4) At ECMS 476 6<sup>th</sup> graders ride the bus. If this is 85% of 6<sup>th</sup> graders, how many total 6<sup>th</sup> graders are there?</p> | <p>5) 18 is 40% of what number?</p>                        | <p>6) If your total bill at a restaurant is \$42 and you leave a 20% tip, how much tip did you leave?</p>           |
| <p><b>What?</b></p> <p>Lightning Bolt<br/>Cape<br/>Shrink Suit<br/>Force Field<br/>Spider Web<br/>Necklace<br/>Lasso of Truth<br/>Batarang</p>  | <p>7) Dorian has \$300. He spent 5% of his money. How much money did he spend?</p>  | <p>8) 14 out of 56 students got an A. What % got an A?</p> | <p>9) What is 22% of 300?</p>   |
| <p>10) In a school, 25% of 312 students bring their lunch from home. What % do not bring their lunch from home?</p>  | <p>11) 60% of the 30 students study Spanish. How many students study Spanish?</p>   | <p>12) What is 20% of 45?</p>                              | <p>13) A shirt that costs \$20 is on sale for 10% off. How much does the shirt cost after the discount?</p>         |
| <p>14) What is 25% of 52?</p>  | <p>15) There are 20 girls in a class. If this is 40% of all students, how many total students are in the class?</p>                                   | <p>16) What is 2% of 100?</p>                              | <p>17) Chicken costs \$15 per package and you pay 10% sales tax. How much sales tax do you pay?</p>                 |
| <p>18) 18 is 75% of what number?</p>   | <p>19) It costs \$30 to get your hair cut. You leave a 20% tip. How much tip do you leave?</p>  | <p>20) 7 is what percent of 70?</p>                        | <p>21) 22% of the animals in a shelter were dogs. If there were 150 animals in the shelter, how many were dogs?</p> |

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

**Math 6 - Unit 2: Ratios, Rates & Proportional Reasoning** Name: \_\_\_\_\_

Get a Clue (Percents)

**ANSWER KEY**

Class Period: 1 2 3 4 Date: \_\_\_\_\_

|  |   |  |  |
|--|---|--|--|
| <p><b>Who?</b></p> <p>The Flash<br/>Batman<br/>Wonder Woman<br/>Superman<br/>Ant Man<br/>Black Widow<br/>Black Panther<br/>Spiderman</p>   | <p>1) What is 20% of 200?</p> <p style="text-align: center;"><b>40</b></p>  | <p>2) What is 15% of 200?</p> <p style="text-align: center;"><b>30</b></p>   | <p>3) A baseball team won 75% of its games. If they played 120 games, how many did they win?</p> <p style="text-align: center;"><b>90</b></p>                    |
|  | <p>4) At ECMS 476 6<sup>th</sup> graders ride the bus. If this is 85% of 6<sup>th</sup> graders, how many total 6<sup>th</sup> graders are there?</p> <p style="text-align: center;"><b>560</b></p> | <p>5) 18 is 40% of what number?</p> <p style="text-align: center;"><b>45</b></p>   | <p>6) If your total bill at a restaurant is \$42 and you leave a 20% tip, how much tip did you leave?</p> <p style="text-align: center;"><b>8.40</b></p>         |
| <p><b>Where?</b></p> <p>Gotham City<br/>Wakanda<br/>Central City<br/>New York City<br/>Bat Cave<br/>Avengers Tower<br/>Metropolis<br/>Wayne Tower</p>  | <p>7) Dorian has \$300. He spent 5% of his money. How much money did he spend?</p> <p style="text-align: center;"><b>15</b></p>   | <p>8) 14 out of 56 students got an A. What % got an A?</p> <p style="text-align: center;"><b>25</b></p>  | <p>9) What is 22% of 300?</p> <p style="text-align: center;"><b>66</b></p>   |
|  | <p>10) In a school, 25% of 312 students bring their lunch from home. What % do not bring their lunch from home?</p> <p style="text-align: center;"><b>75</b></p>                                    | <p>11) 60% of the 30 students study Spanish. How many students study Spanish?</p> <p style="text-align: center;"><b>18</b></p>                     | <p>12) What is 20% of 45?</p> <p style="text-align: center;"><b>9</b></p>  |
| <p><b>What?</b></p> <p>Lightning Bolt<br/>Cape<br/>Shrink Suit<br/>Force Field<br/>Spider Web<br/>Necklace<br/>Lasso of Truth<br/>Batarang</p>  | <p>13) A shirt that costs \$20 is on sale for 10% off. How much does the shirt cost after the discount?</p> <p style="text-align: center;"><b>18</b></p>  | <p>14) What is 25% of 52?</p> <p style="text-align: center;"><b>13</b></p>   | <p>15) There are 20 girls in a class. If this is 40% of all students, how many total students are in the class?</p> <p style="text-align: center;"><b>50</b></p> |
|  | <p>16) What is 2% of 100?</p> <p style="text-align: center;"><b>2</b></p>   | <p>17) Chicken costs \$15 per package and you pay 10% sales tax. How much sales tax do you pay?</p> <p style="text-align: center;"><b>1.50</b></p> | <p>18) 18 is 75% of what number?</p> <p style="text-align: center;"><b>24</b></p>  |
|  | <p>19) It costs \$30 to get your hair cut. You leave a 20% tip. How much tip do you leave?</p> <p style="text-align: center;"><b>6</b></p>  | <p>20) 7 is what percent of 70?</p> <p style="text-align: center;"><b>10</b></p>   | <p>21) 22% of the animals in a shelter were dogs. If there were 150 animals in the shelter, how many were dogs?</p> <p style="text-align: center;"><b>33</b></p> |

**Who?** \_\_\_\_\_ **Where?** \_\_\_\_\_ **What?** \_\_\_\_\_