**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_**

**6.3A The Percent Proportion\_Classwork**

*Objective: use the percent proportion to find parts, wholes, and percents. CC.SS.7.RP.3*

*Homework: textbook- 6.3A pg 230 #11-19 ALL*

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| Here are several aids that will help you solve word problems:1. Make sure you understand the question that is asked
2. Sometimes, you will have to subtract or add some of the numbers.
3. The denominator will always be the original number, price, or total.
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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. A baseball pitcher won 80% of the games he pitched. If he pitched 35 ballgames, how many games did he win?

|  |  |
| --- | --- |
| percent | part |
| out of 100 | whole |

 | 1. Jerry, an electrician, worked 7 months out of the year. What percent of the year did he work? Round answer to the nearest hundredth.

|  |  |
| --- | --- |
| percent | part |
| out of 100 | whole |

 |
| 1. There are 28 students in a class. Sixteen of those students are men. What percent of the class are women? Round to the nearest tenth.

|  |  |
| --- | --- |
| percent | part |
| out of 100 | whole |

 | 1. Donovan took a math test and got 35 correct and 10 incorrect answers. What was the percentage of correct answer? Round to the nearest hundredth.

|  |  |
| --- | --- |
| percent | part |
| out of 100 | whole |

 |
| 1. There are 32 students in a class. Nine of those students are women. What percent are men? Round to the nearest tenth.

|  |  |
| --- | --- |
| percent | part |
| out of 100 | whole |

 | 1. The Royals softball team played 75 games and won 55 of them. What percent of the games did he lose? Round to the nearest tenth.

|  |  |
| --- | --- |
| percent | part |
| out of 100 | whole |

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| **USING RATIO TABLES:** Use a ratio table to answer each question.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. What number is 6% of 30?

|  |  |
| --- | --- |
| **6**percent | part (“is”) |
| **100**out of 100 | **30**whole(“of”) |

 | 1. What number is 65% of 30?

|  |  |
| --- | --- |
| **65**percent | part (“is”) |
| **100**out of 100 | **30**whole (“of”) |

 |
| 1. 18 is what percent of 40?

|  |  |
| --- | --- |
| **18**percent | part (“is”) |
| **100**out of 100 | **40**whole (“of”) |

 | 1. 81 is 45% of what number?

|  |  |
| --- | --- |
| **45**percent | part (“is”) |
| **100**out of 100 | **81**whole (“of”) |

 |

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|  |  |  |
| --- | --- | --- |
| **YOU TRY!** *Write proportion and solve to find the missing value.*

|  |  |
| --- | --- |
| 1. What percent of 5 is 3?
2. What number is 80% of 60?
3. 0.1% of what number is 4?
 | 1. 25 is what percent of 20?
2. 10% of 40.5 is what number?
3. ½ is 25% of what number?
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