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

**6.3B The Percent Proportion\_Classwork**

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

*Textbook: 6.3B pg 230\_#20-28 ALL*

Write and solve a proportion to answer the question.

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| --- | --- |
| percent | Part  (“is”) |
| out of 100 | Whole  (“of”) |

1. 40% of 60 is what number? 2. 17 is what percent of 50?

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

3. 38% of what number is 57? 4. 44% of 25 is what number?

5. 52 is what percent of 50? 6. 150% of what number is 18?

7. You put 60% of your paycheck into your savings account. Your paycheck is $235. How much money do you put in your savings account?

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| 1. A student earned a grade of 80% on a math test that had 20 problems. How many problems on this test did the student answer correctly? (round to the nearest whole number) | 1. There are 36 carpenters in a crew. On a certain day, 29 were present. What percent showed up for work? (round to the nearest tenth) |
| 1. A student answered 86 problems on a test correctly and received a 98%. How many problems were on the test, if all the problems were worth the same number of points? (round to the nearest whole number) | 1. Sam found a car that he could fix. He bought the car for 50% of the original price of $7200. How much did he pay for the car? (Round the nearest dollar) |
| 1. Ben earns $12,800 a year. About 15% is taken out for food. How much is taken out for food? | 1. At a sale, shirts were sold $15 each. This price was 80% off from the original price. What was the original price? |
| 1. There are 32 students in a class. Nine of those students were women. What percent are men? (round to the nearest tenth) | 1. The Royals softball team played 75 games and won 55 of them. What percent of the games did they lose? (round to the nearest tenth) |