Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_Period: \_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_

**6.4B The Percent Equation\_Classwork**

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

*HW: 6.4B worksheet*

**REAL-LIFE APPLICATION:** **School Election**

|  |  |
| --- | --- |
| The circle graph shows the number of votes received by each candidate during a school election. So far, only half the students have voted. | 1. Complete the table. 2. Find the percent of students who voted for each candidate. |

**REAL-LIFE APPLICATION:** **School Election 2**

|  |  |
| --- | --- |
| The graph shows the final results of the election in percent.  Use School Election 1 to find the total votes. | 1. Find the number of students who voted for each candidate. |

**REAL-LIFE APPLICATION:** **8th Street Café Spending**

|  |  |
| --- | --- |
| Mary and Sam went out and eat. Above is the bill for their meals. | 1. Find the percent of sales tax on the food total. 2. Find the amount of a 16% tip on the food total. 3. Find the amount of a 20% tip on the subtotal. |

**Practice Problems**

1. You receive 15% of the profit from a car wash. How much money do you receive from a profit of $300?
2. A salesperson receives a 2.5% commission (extra money on top of what they have already earned). What commission does the salesperson receive for $8000 in sales?
3. Your school raised 125% of its fundraising goal. The school raised $6750. What was the goal?
4. A surfboard costs $240. The sale tax on the surfboard is $12. What is the percent of sales tax (extra money you have to pay)?