Use the following State Sales Tax rate table to answer the two questions below.

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| --- | --- |
| **State** | **State Tax** |
| Arizona | 5.6% |
| Oregon | ---- |
| Washington | 6.5% |
| Tennessee | 7% |
| Maine | 5% |

1. Ruth paid a total of $264 for an item that originally cost $250. What state does Ruth live in? Explain

2. Customers of online purchasing websites must pay applicable sales tax for the state they live in. Customers from Washington and Maine each bought a reading tablet for $199.00.

a. How much will each person pay? Explain your thinking.

b. What is the difference in total cost (including tax) for the two customers? Explain your thinking.

c. Your classmate says that because the tablet is the same price for either customer, you could multiply the price of the tablet by the differences in sales tax percentages. Test your classmate’s idea to prove his statement true or false.

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?
2. 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.
3. A metal bar weighs 8.15 ounces. 93% of the bar is silver. How many ounces of silver are in the bar? Round to the nearest thousandth.
4. A woman put $580 into a savings account for one year. The rate of interest on the account was 6 ½ %. How much was the interest for the year in dollars and cents?
5. Pamela bought an electric drill at 85% of the regular price. She paid $32.89 for the drill. What was the regular price? Round to the nearest cent.