Converting between percentages and decimals in a real-world situation: Worksheet 8.1

Name .... Date .... Score ....

1. When Rhea was buying her car she had to deposit 0.1 of the value of the car as down payment. What percentage was this?

2. Ron bought a jacket in factory sales with 0.4 of the original price as discount. What percentage was taken off the price of the jacket?

3. Brenda pays tax at the rate of 20% of her income. What decimal part of Brenda's income is this?

4. If you had $1, write the value of a nickel (5 cents) as a decimal and as a percentage.

5. Melinda bought a new laptop for $825 plus a tax of $82.50. Write the amount of tax as a percentage and a decimal as compared to the price of laptop?

6. If you had $1, write the value of 18 cents as a decimal and as a percentage.

7. James made 64% of his shots during a basketball championship. Write the number of baskets he made as a decimal.

8. Jones's batting average is 0.336. Write his batting average as a percentage.

9. A scoop of ice cream contains 800 calories. One hundred twenty calories come from fat. What percent of the total calories come from fat? Express the same in decimal form as well.

10. Out of 2100 students of a school only 630 passed. Find how many students failed as percentage and a decimal.

1. 10%

2. 40%

3. 0.2

4. 0.05; 5%

5. 10%, 0.1

6. 0.18; 18%

7. 0.64

8. 33.6%

9. 15%, 0.15

10. 70%, 0.7