

Converting between percentages and decimals in a real-world situation: Worksheet 8.3

Name Date Score

1. At a toy store 75% of the customers were boys. Express the number of boys as compared to the total customers as a decimal.
2. A store was selling a dress for 0.60 of its normal price. The dress is selling at what percent of its normal price?
3. Jack finished 0.5 of his math homework during lunch break. What percent did he finish in the lunch break?
4. A jug of lemonade was 60% full. Write the amount of lemonade as a decimal.
5. A beverage has 0.4 of the number of calories you could have in a day. What percent of daily calories is the beverage?
6. If you had \$1, write the value of 25 cents as a decimal and as a percentage.
7. James made 63% of his shots during a basketball championship. Write the number of baskets he made as a decimal.
8. A recipe requires a cup 0.55 full of milk and the rest with water. What percent of the cup is milk?
9. A video game had several stages. If Bob beat 0.8 of the stages, what percent of the game has he completed?
10. A large cake was 40% bigger than a small cake. The large cake is how much bigger than the small cake in decimal form?



Solutions: Worksheet 8.3

1. 0.75
2. 60%
3. 50%
4. 0.6
5. 40%
6. 0.25; 25%
7. 0.63
8. 55%
9. 80%
10. 0.4

