

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Hour: \_\_\_\_\_

**Solve using a proportion or an equation (your choice, not both ways, either way will be accepted on the quiz).**

1. What is 18% of 36?
2. 44 is what percent of 22?
3. 145 is 15% of what number?
4. 0.4 is what percent of 5?
5. 0.09% of 1,024 is what number?
6. 20% of what number is 215?

**Find the percent of change. Round your answer to the nearest tenth if necessary. Indicate whether it is percent increase or percent decrease.**

7. 16 to 20
8. 4 to 1
9. 20 to 3
10. 320 to 542

**Find the selling price.**

11. Store price: \$18.00  
Markup: 50%
12. Store price: \$34.98  
Markup: 75%

**Find the percent of discount.**

13. Regular price: \$27.00  
Sale price: \$22.95
14. Regular price: \$35.00  
Sale price: \$21.00

15. Your takeout bill is \$38.50. There is 6% sales tax and you want to leave the driver a 20% tip. How much will you pay?

**Find the sale price.**

16. Regular price: \$90  
1<sup>st</sup> discount: 10%  
2<sup>nd</sup> discount: 25%
17. Regular price: \$220  
1<sup>st</sup> discount: 15%  
2<sup>nd</sup> discount: 15%
18. A salesperson has a salary of \$500. She also makes 4.5% commission on sales of \$1,854. Find the total earnings.

Find regular price.

19. Sale price: \$45

Discount: 30%

20. Sale price: \$27.50

Discount: 45%