

## 6th Grade: Chapter 6 Practice Test

### Short Answer

**Write the decimal as a percent.**

1. 0.18
2. 0.7
3. 6.85

**Write the percent as a decimal.**

4. 61%
5. 92.8%

**Write the fraction as a percent. If necessary, round to the nearest tenth of a percent.**

6.  $\frac{1}{2}$
7.  $\frac{4}{11}$
8.  $9\frac{19}{50}$
9. Write the percent as a fraction in simplest form.  
16%

**Write the percent as a decimal and as a fraction.**

10. 125%
11. Find 50% of 36.
12. Liam wants to buy a bicycle that costs \$250.00. His parents say Liam must raise 30% of the money himself. How much money must Liam raise?

**Use a proportion to solve. If necessary, round to the nearest percent.**

13. What percent of 170 is 85?
14. There are 12 players on the basketball roster. 9 of the players are in the 8th grade. What percent of the team is not in the 8th grade?
15. 60 is 20% of what number?

**Use an equation to solve.**

16. 60% of what number is 45?
17. What number is 35% of 260?
18. What percent of 248 is 62?
19. Find the total cost of a \$363.99 airline ticket with a sales tax of 4%.
20. The bill is \$100.82. Find the amount of a 15% tip.
21. Suppose you rent a limousine for a formal reception. The bill for the evening is \$53.00. A tax of 6% will be added, and you want to tip the chauffeur 20% for excellent driving. How much will you pay in total?
22. You tell your parents that you will pay the 15% tip for dinner. The bill was \$130.56. You have \$20.
  - a. Do you have enough to pay the tip?
  - b. How much should the tip be?
23. All swimming equipment is on sale with a 35% discount. A snorkeling set regularly sells for \$60. Find the discount.
24. Video games are on sale for 35% off. If a particular game regularly sells for \$99.50, what is the sale price?

**Find the amount of interest earned on each principle at the given rate.**

25. \$235, 12%

**Find the ballance in each account for the given principle and annual interest rate.**

26. \$230, 10%