Percent Practice - Principles Of Mathematics 8

1. An amount of $3000 is deposited for one year at an interest rate of 5.5% per annum. How much interest will be earned?

2. Amanda borrowed $3000 at 9.25% for one year. How much in **total**, did Amanda owe after one year if she never paid back any of the borrowed money and now also owes the interest amount as well?

3. What is 37.5% as a fraction?

4. The regular price of a video game is $59.95. This week it is on sale for 15% off. What does the game cost this week (before taxes)?

5. Running shoes are regularly priced at $80. They were on sale for $46. What was the discount expressed as a percent of the regular price?

6. Canada won 32 medals at the 1996 Olympic Games. This was an increase from its previous best of 18 medals in 1992. Which percent of the 1992 total is the 1996 total?

7. A salesperson receives a weekly base salary of $400 plus a commission of 16% on all sales. Last week she had sales totalling $1,025. What was her total salary (weekly base salary + commission) for the week?

8. About 0.2% of a community’s total population of 8 000 missed the annual regatta. About how many people missed the regatta?

9. Melissa had 54 questions wrong on her exam that had 150 questions. Each question was worth 1 mark. What was her mark written as a percent?

10. Sam has a mass of 80 kg. His body contains 0.36 kg of potassium. What percent of Sam’s body is potassium?

11. What is 5/16 as a percent?

12. In an elementary school with 400 students, 22% had their photographs retaken. How many students had photo retakes?

13. The suggested retail price of a football is $65.00. During a sale, the football was on sale at 15% off the regular price. What was the sale price of the football?

14. John paid $13.50 in sales tax on a desk that was selling for $150.00. What was the sales tax rate?

15. What is 37.25% as a decimal?

16. Madison set up 240 chairs in the village hall for a concert. The attendance was 120% of what was expected. How many villagers attended the concert?

17. What is 0.005 expressed as a percent?

18. Matt had 50 questions correct on a Percents Chapter Test that had 144 one mark questions. What was his mark written as a percentage?

19. What is 160% of 90?

20. What amount of interest will an investment of $900.00 at 9% interest make after one year?

Convert to a percent:

21.) 0.057 = \_\_\_\_\_\_\_\_ % 22.) 0.004 = \_\_\_\_\_\_\_\_ % 23.) 15 = \_\_\_\_\_\_\_\_ %

Convert to a decimal:

24.) 7% = \_\_\_\_\_\_\_\_ 25.) 125.5% = \_\_\_\_\_\_\_\_ 26.) 0.75% = \_\_\_\_\_\_\_\_

Fill in the blanks:

27.) 15% of 195 cm = \_\_\_\_\_\_\_\_\_\_ 28.) 105.5 % of 90 kg = \_\_\_\_\_\_\_\_\_\_

29.) $70.50 is \_\_\_\_\_\_\_\_\_ % of $94 30.) 25 is \_\_\_\_\_\_\_ % of 80

*Men’s leather gloves are regularly sold for $45. During December, the gloves were advertised at 15% off the regular price.*

31. What was the amount (in dollars), of the discount? 32. What was the sale price of the gloves?

33. In a company, the profit last year was $270 000. This year’s profit was 150% of last year’s profit. The manager receives a bonus of 1% of the profits. What will be his bonus this year?

34. A real estate agent normally charges 4% commission to the seller. To make an offer of $172 000 seem more attractive to a seller, she reduced her commission to 2.25%. How much did the seller save?

35. Last year, 0.4% of the city’s population attended the annual charity picnic. This year’s attendance is expected to be 250% of last year’s. Last year the city had a population of 78 000. How many people are expected to attend this year?

36. A sales representative is paid a commission of 9% on all sales. On Saturday he sold 2 VCRs for $399 each and 4 TVs for $699 each. What was his commission that day?

37. Jessica earns $425.00 per week working at a hair salon. Her weekly expenses are $93.50. What percentage of her weekly income goes to paying her weekly expenses?

38. If the combined sales taxes (GST & PST) total 13% in Manitoba and 15% in New Brunswick, how much more in sales taxes would an Apple Macintosh MacBook (laptop) be in New Brunswick than in Manitoba if the retail price of the computer in both provinces is $1,299.00?

Answers:

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| 1. $165.00 | 2. $3 277.50 | 3. 3/8 | 4. $50.96 | 5. 42.5% | 6. 178% | 7. $564.00 |
| 8. 16 | 9. 64% | 10. 0.45% | 11. 31.25% | 12. 88 | 13. $55.25 | 14. 9% |
| 15. 0.3725 | 16. 288 | 17. 0.5% | 18. 35% | 19. 144 | 20. $81.00 | 21. 5.7 |
| 22. 0.4 | 23. 1500 | 24. 0.07 | 25. 1.255 | 26. 0.0075 | 27. 29.25 | 28. 94.95 |
| 29. 75 | 30. 31.25 | 31. $6.75 | 32. $38.25 | 33. $4 050.00 | 34. $3 0101.00 | 35. 780 |
| 36. $323.46 | 37. 22% | 38. $25.98 |  |  |  |  |