

5. Compute each of the following.
- (a) \$ 54 is what percentage of \$ 800?
 - (b) 150 % of what amount is \$ 660?
 - (c) 34 % of what amount is \$ 27.50?
 - (d) What is 0.2 % of 4500?
 - (e) What is $\frac{2}{3}$ % of 672?
 - (f) 80 is 20 % of what number?
 - (g) \$ 750 is 250 % what amount?
6. $33\frac{1}{3}$ % of the 600 students in a college chose the e-commerce program. How many students chose the e-commerce program?
7. The price of an item increased by \$ 42. This was a 25% increase. What was the original price of the item?
8. Maria sets aside 20 % of her weekly income for rent. This amounts to \$ 350 each week. What is her weekly income?
9. The selling price of a digital camera is usually \$ 3100, but this week there is a 20 % discount. How much is the amount of discount?
10. A dealer lowers the price of a refrigerator by 30 %. The original price of the refrigerator was \$ 1450. How much was the decrease?
11. Boom Café sold 80 desserts on Sunday evening. The following evening it sold 25 more. What was the percentage increase in dessert sales?
12. Antonio's Department Store is holding a sale with discount of 30 % on all evening suits. Find the amount of discount on a suit normally priced at \$ 925.



13. Mrs. Antonio must pay 10 % sales tax on her sales of \$ 7400. Find the extra amount she must pay in tax.
14. Adam received a pay rise of \$ 776.25 per month. This represents a 17.25 % increase. What was Adam's salary before the increase?
15. Mary and her husband, Adam, had a wedding anniversary dinner at the Frown Plaza Hotel for \$ 425 excluding the service charge. The service charge was 20 %. What was the service charge (in \$)?
16. Cathy decreased the price of her flower display by \$ 85. The display is normally priced at \$ 365. Find the percentage decrease in the price. Express your answer to 1 d.p.
17. Omar bought a business. The net price of the business was subject to 12% taxes. He paid \$ 15 000 in taxes. What was the net price of the business before taxes were added? What was the selling price of the business, including taxes?
18. 15 kilograms of ice cream contain 35 % sugar. How many kilograms of sugar does the ice cream contain?
19. Mike had 25 questions correct in his Math test. The test had 40 questions. What was Mike's percentage score on the test?
20. 90 % of a batch of 5500 chickens were found to be healthy. How many chickens were **not** healthy?
21. Visitors to an exhibition were interviewed and asked if they had a laptop at home. 12 % said they had a laptop. This amounted to 480 people. Calculate the total number of visitors to the exhibition.
22. Italian Clothing offers 35 % discount on all items. A tracksuit was discounted by \$ 24. What was the price of the tracksuit before discount?



23. A company's expenses increased by \$ 23 000 from April to May. This was an 11 % increase. Find the company's expenses in April.

24. The total cost of a business to set up an exhibition was \$ 82 000. Its profit was \$ 12 400 after the exhibition finished. What was the profit as percentage of total cost? Give your answer to 2 d.p.

25. A car dealer makes a loss of \$ 7200 when selling a car. He originally paid \$ 65 000 for the car. What percentage loss did the dealer incur on the sale? Give your answer to 2 d.p.

