

Percentages Worksheet

Fractions and percentages of a quantity, one quantity as a percentage of another, percentage problems. 30 questions.

Name: _____ Date: _____ Form: _____

Part A: Fractions and percentages of a quantity

Work out each of the following. (Q1-8)

1. 25% of 80
2. 10% of \$350
3. $\frac{3}{4}$ of 48
4. 15% of \$200
5. 40% of 65
6. 12.5% of 96
7. $\frac{2}{5}$ of \$150
8. 7% of 300

Part B: Expressing one quantity as a percentage of another

Write the first quantity as a percentage of the second. (Q9-16)

9. 12 out of 48
10. 45 out of 60
11. 18 out of 40
12. \$6 out of \$24
13. 250 mL out of 1 litre
14. 36 cm out of 1.2 m
15. \$4.50 out of \$30
16. 33 out of 44

Part C: Percentage problems

Solve each of the following. (Q17-30)

17. Increase \$250 by 10%.
18. Decrease 90 by 20%.
19. A jacket costs \$60. Its price is increased by 15%. What is the new price?
20. A shirt marked \$120 is sold at a 25% discount. What is the sale price?
21. A town has a population of 4,000. The population increases by 12%. What is the new population?
22. A student scored 16 out of 25 on a test. Write this as a percentage.
23. 126 of the 180 tickets for a concert were sold. What percentage of the tickets was sold?
24. A shopkeeper buys a radio for \$80 and sells it at a profit of 25%. What is the selling price?
25. A bicycle was bought for \$150 and sold at a loss of 10%. What was the selling price?

26. A bill of \$340 has 15% VAT added. What is the total amount paid?
27. 30% of the 500 students at a school walk to school. How many students walk?
28. The price of a bag increased from \$80 to \$92. Find the percentage increase.
29. The value of a machine fell from \$400 to \$340. Find the percentage decrease.
30. A worker earns \$2,400 per month. 8% is deducted for national insurance. Calculate the amount deducted and the take-home pay.