



Percentages

1. Write each of these percentages in fraction form
 - a) 7%
 - b) 127%
2. Write each of the following as a simplified fraction
 - a) 55%
 - b) 4%
 - c) 130%
 - d) 161%
3. Write each of the following percentages as a fraction
 - a) $6\frac{1}{4}\%$
 - b) $33\frac{1}{3}\%$
4. Convert these fractions to percentages
 - a) $\frac{71}{100}$
 - b) $\frac{11}{20}$
 - c) $\frac{7}{8}$
5. Convert these percentages to decimals
 - a) 67%
 - b) 8%
 - c) 43.6%
6. Write each of these percentages as a decimal
 - a) $62\frac{1}{2}\%$
 - b) $26\frac{1}{4}\%$
7. Convert these decimals to percentages
 - a) 0.65
 - b) 0.267
 - c) 0.3
8. Which is larger 35% or $\frac{3}{8}$?
9. Arrange in ascending order $\frac{3}{8}$, 43%, 0.41 or $\frac{4}{11}$?
10. Convert these percentages to decimals
 - a) 8% of \$400
 - b) 30% of 160 kg
 - c) $12\frac{1}{2}\%$ of 64 m
11. Find 20% of 3 m
12. A total of 250 people came to the fete. If 160 of them were children, what percentage

of the people at the fete were children?

13. Express 25 minutes as a percentage of 1 hour
14. Increase \$200 by 6%
15. The cost of an item is to be increased by 12%. If it currently costs \$30 find its new price.
16. Decrease \$150 by 12%
17. Find the price of an item, originally \$75 if it is offered for sale at 10% discount.
18. A store owner buys books for \$18, each and sells them for \$22.50.
Find
 - a) the profit the store owner makes
 - b) the percentage profit
19. Jill buys rare book for \$750 and sells it a year later at 20% profit. Find the selling price.
20. If 15% of an amount is \$75, what is the amount?
21. Find the simple interest on \$750 invested at 8% p.a for
 - a) 1 year
 - b) 3 years
22. Find the simple interest earned on \$1200 invested at 6% p.a for 8 months