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| **Topic/Skill** | **Definition/Tips** | **Example** |
| 1. Percentage | **Number of parts per 100.** | means |
| 2. Finding 10% | To find **10%**, **divide by 10** | 10% of £36 = 36÷10=£3.60 |
| 3. Finding 1% | To find **1%**, **divide by 100** | 1% of £8 = 8÷100 = £0.08 |
| 4. Fractions to Decimals | **Divide the numerator by the denominator** using the bus stop method. |  |
| 5. Decimals to Fractions | **Write as a fraction** over 10, 100 or 1000 and simplify. |  |
| 6. Percentages to Decimals | **Divide by 100** |  |
| 7. Decimals to Percentages | **Multiply by 100** |  |
| 8. Fractions to Percentages | Percentage is just a fraction out of 100. **Make the denominator 100 using equivalent fractions**.  When the denominator doesn’t go in to 100, use a calculator and **multiply the fraction by 100**. |  |
| 9. Percentages to Fractions | Percentage is just a fraction out of 100.  **Write the percentage over 100** and simplify. |  |
| 10. Percentage Change |  | A games console is bought for £200 and sold for £250.  % change = |
| 11. Profit and Loss |  | A watch is bought for £800 and sold for £650. Work out the loss %  % loss = |
| 12. Increase or Decrease by a Percentage  Increase or Decrease by a Percentage | Non-calculator: **Find the percentage** and **add** or **subtract** it from the **original** amount.  Calculator: Find the **percentage multiplier** and multiply. | Increase 500 by 20%:  10% of 500 = 50  so 20% of 500 = 100  500 + 100 = 600  Decrease 800 by 17%:  100%-17%=83%  83% ÷ 100 = 0.83  0.83 x 800 = 664 |