 

Sort It Out…

**Percentages**

Sort these percentage questions into each of the four categories given. Then go ahead and answer each of the questions….

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| **1** | Arran earns £10.92 per hour after receiving a 4% pay rise. What was his hourly rate before the increase? | **2** | Mercy buys an antique chair for £396 and sells it for £345. What percentage loss has Mercy made? |
| **3** | A shop is having a 15% off sale. A suit originally costs £245. What is its sale price? | **4** | The number of students in a sixth form increased from 450 to 488. What is the percentage increase? |
| **5** | Mimi puts £2265 in a bank account which earns 2.5% per annum compound interest. How much interest does she earn in one year? | **6** | Food prices are 13.5% higher than they were last year. My weekly food bill this year is £107.26. How much was it last year? |
| **7** | At the beginning of 2018 a house was worth £237,500. Its value increased by 11.5% that year. How much was it worth at the beginning of 2019? | **8** | The Cross family pays a restaurant bill for £92.40 which includes a 12% service charge. How much was the service charge? |
| **9** | Fuel prices have increased by 85% this year. Tomek’s fuel bill has gone up by £1207. How much is Tomek’s fuel bill this year? | **10** | From January to March, unemployment has risen by 0.3% to 1198585 people. How many people were unemployed at the beginning of January? |
| **11** | Derek pays £548.70 for a computer, which includes 18% tax. What is the price of the computer excluding tax? | **12** | A new boat costs £22600. Its value depreciates by 7.5% each year. How much is it worth after two years? |
| **13** | There are 7455 bats in a population, an increase of 6.5% on last year. How many additional bats are there this year compared to last year? | **14** | After a pay increase, Talia’s salary increases from £38550 to £39783.60. What is Talia’s pay rise as a percentage? |

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| **A** | Finding the new amount after a percentage change | **B** | Finding the original amount after a percentage change |
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| **C** | Finding the actual change after a percentage change | **D** | Finding the change as a percentage |
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