**Percentage Increase and Decrease**

**Decode the Maths Joke**

Calculate a value for each of the letters of the alphabet.

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| **A** | Increase £50 by 10% |  |  | **N** | Increase £50 by 7% |  |
| **B** | Increase £60 by 15% |  |  | **O** | Increase £67 by 9% |  |
| **C** | Decrease £80 by 25% |  |  | **P** | Decrease £56 by 1% |  |
| **D** | Increase £40 by 75% |  |  | **Q** | Increase £37 by 17.5% |  |
| **E** | Decrease £85 by 20% |  |  | **R** | Decrease £77 by 3% |  |
| **F** | Increase £55 by 23% |  |  | **S** | Increase £52 by 12.5% |  |
| **G** | Decrease £90 by 37% |  |  | **T** | Decrease £80 by 23.5% |  |
| **H** | Increase £70 by 11% |  |  | **U** | Decrease £63 by 2.5% |  |
| **I** | Increase £35 by 64% |  |  | **V** | Increase £54 by 32.5% |  |
| **J** | Decrease £120 by 56% |  |  | **W** | Decrease £140 by 67.5% |  |
| **K** | Decrease £68 by 14% |  |  | **X** | Increase £45 by 4.8% |  |
| **L** | Increase £48 by 27% |  |  | **Y** | Increase £57 by 9.9% |  |
| **M** | Decrease £750 by 90% |  |  | **Z** | Decrease £65 by 7.2% |  |

Now decode the joke….

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| £45.50 | £77.70 | £62.64 |  | £70 | £57.40 | £70 |  | £61.20 | £77.70 | £68 |  | £61.20 | £45.50 |
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| £73.03 |  | £67.65 | £73.03 | £61.43 | £74.69 | £58.50 |  | £58.50 | £58.48 | £57.40 | £55.44 |
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| £60.96 | £61.43 | £53.50 | £60 | £77.70 | ? |  | £61.20 | £77.70 | £68 | £62.64 |  | £55 | £60.96 |
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| £74.69 | £68 | £55 | £70 | £62.64 |  | £68 | £57.40 | £56.70 | £77.70 | £61.20 | ! |
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