**Instructions:**

**Work out the answers to the questions**

**Search for the answers in the grid (Ignore any decimal points if they come up e.g. 46.3 look for 463)**

1. Apple is having a 20% off sale. After dropping my Ipod in the sink I thought I should treat myself to a new one. I bought my new Ipod for £40, how much was it originally?
2. Christmas is on its way, so the price of a box of Thornton’s chocolates has been increased by 15%!! A box of Thornton’s Continental now costs £17.25. How much did it cost originally?
3. The price of all oyster card season tickets increased by 4%. The price of a season ticket from zone 1 to zone 4 increased to £98.80. What was the price before this increase?
4. A special bottle of coke contains 10% more than a normal bottle. The special bottle contains 660 ml. How much does the normal bottle contain?
5. Katie gets a 20% pay rise. Her new wage is £264 per week. What was her wage before the pay rise?
6. Ivan Ukhov the 2012 Olympics high jump gold medallist jumps 2.4 metres. This is 4% lower than the best height he can jump. What is the best height he can jump?
7. A packet of Hobnobs claims to be 24% bigger!! It now contains 31 biscuits. How many did it have before?
8. Delboy sells his goods at Peckham market for £66.70 making a 15% profit. How much did he pay for the goods when he bought them?
9. Since being on Strictly Come Dancing Vanessa Feltz has lost 20% of her body weight. She now weighs 90 kg. How much did she weigh before the show?
10. A new Ford Fiesta drops in value by 30% in a year. After a year, it is worth £8, 400. Find the price of the car when it was new.

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| --- | --- | --- | --- | --- | --- |
| **5** | **0** | **9** | **2** | **8** | **6** |
| **7** | **1** | **7** | **3** | **2** | **0** |
| **6** | **1** | **6** | **5** | **5** | **0** |
| **1** | **2** | **8** | **9** | **1** | **3** |
| **0** | **5** | **3** | **0** | **2** | **4** |
| **6** | **2** | **4** | **2** | **5** | **3** |
| **4** | **0** | **0** | **0** | **2** | **1** |

**Extension**

1. During a mid-season sale a shop keeper sold 60% of his Kindle’s. He then found that he was left with 50 Kindle’s. How many did he have in stock to begin with?
2. Jacob answered 80% of the questions in a test correctly. He answered 32 of the questions correctly. Work out the total number of questions in the test.
3. In a class there are 9 people absent with the flu. This is 20% of the class missing out on vital mathematics!

How many are there in the class when no one in the class is ill?

How many are in class today?

1. A bowl of Cheerios provides 16.2 mg of vitamin C. This is 24% of the recommended daily intake. What daily intake of vitamin C is recommended?
2. Rosie sells her laptop to John and makes a 15% profit. John then sells the laptop to Michael for £391. John makes a 15% loss. How much did John pay for the laptop?