

Weekly Quiz

Questions:

Week 10 – Solutions to the maths office by Thursday 10th March

1. If a point in Quadrant IV is reflected in the y-axis, its image will lie in which Quadrant?
 - a. I
 - b. II
 - c. III
 - d. IV

2. If I were to work out: $15 \times 14 \times 13 \times 12 \times 11 \times 10 \times 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2$ the number of zeros at the right hand end would be:
 - a. 0
 - b. 1
 - c. 2
 - d. 3
 - e. more than 3

[Hint: this is really about 10 being a factor of the result – consider $10=5 \times 2$]

3. I have a box with 10 marbles in it. 6 of them are red, 4 of them blue. I want to leave home with two pairs of marbles of a different colour (so I want 2 reds and 2 blues). In the worst case scenario, how many marbles do I have to take out of my box, assuming I can't see them before I take them out the box?
 - a. 4
 - b. 6
 - c. 8
 - d. 10

4. The only two ways of scoring in the game of Beebopping is to achieve a sting worth 4 points or to inflict a kill worth 7 points. The highest score which it is impossible to achieve is
 - a. 13
 - b. 15
 - c. 17
 - d. 26

5. Albert should have multiplied the number I gave him by 6 and then added 2 but instead, he multiplied it by 2 and then added 6. His answer was 18. His answer should have been
 - a. 20
 - b. 3
 - c. 110
 - d. 6
 - e. 38

Weekly Quiz

Solutions:

Week 10 – 10/03/05

1. c
2. d
3. c
4. c
5. e