

Weekly Quiz

Questions:

Week 7 and 8 – Solutions to the maths office by Thursday 24th February

1. A man needs to sell a cuckoo clock costing £300 to make an exact profit of 10%. How much should he sell it for?
 - a. £333
 - b. £330
 - c. £270
 - d. £303
2. If the angles in a triangle are in a ratio of 3:4:5, then one of the exterior angles of the triangle can NOT be?
 - a. 105 degrees
 - b. 135 degrees
 - c. 165 degrees
 - d. 120 degrees
3. The area of a face of a cube is 81 cm^2 . What is the volume of the cube in cubic centimetres?
 - a. 6561 cm^3
 - b. 729 cm^3
 - c. 810 cm^3
 - d. 8100 cm^3
4. On my bumper box of Smarties it says that the number of Smarties inside the box is 2700 to the nearest hundred. I know I have eaten 500 to the nearest hundred (although not all in one sitting). The largest possible number of Smarties left in the box is
 - a. 2200
 - b. 2299
 - c. 2300
 - d. 2100
 - e. 2101
5. What is the volume of a cylinder with diameter 200 cm and height 4 m?
 - a. $4 \pi \text{ m}^3$
 - b. $800 \pi \text{ m}^3$
 - c. $400 \pi \text{ m}^3$
 - d. $2 \pi \text{ m}^3$

Weekly Quiz

Solutions:

Week 7 and 8 – 24/02/05

1. b
2. c
3. b
4. c
5. a