

Weekly Quiz

Questions:

Week 4 – Solutions to the maths office by Thursday 27th January

1. Michael ate a pound of steak for dinner. Gina ate 3 eighths of a pound and Jimmy ate 19 twenty-fourths of a pound. How much steak did they eat in total?
 - a. 2 and $\frac{17}{24}$ pounds
 - b. 2 pounds
 - c. 2 and $\frac{1}{6}$ pounds
 - d. 2 and $\frac{15}{32}$ pounds
2. The value of 0.2424242424×7 is:
 - a. 1.696969696
 - b. 1.6969696968
 - c. 1.6969696969
 - d. 1.696969697
 - e. none of these
3. How many distinct* ways are there to paint the four faces of a tetrahedron if two different colours are available?
 - a. 2
 - b. 3
 - c. 4
 - d. 5
 - e. more than 5

* Two colourings are not distinct if one can be rotated into another.
4. A card is drawn at random from an ordinary pack of playing cards. What is the probability that it is neither a face card (K,Q,J) nor a black card?
 - a. $\frac{4}{13}$
 - b. $\frac{7}{26}$
 - c. $\frac{5}{13}$
 - d. $\frac{5}{26}$
5. Kelly, Orlando, and James received 65 Christmas presents in total. James received 7 more presents than Kelly and Orlando received 13 more presents than Kelly. How many presents did Orlando receive?
 - a. 15
 - b. 22
 - c. 28
 - d. 35

Weekly Quiz

Solutions:

Week 4 – 27/01/05

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