EGOPONT™ TEST YOURSELF

Math Test – Level 3

1. A little girl asked a woman how old she was. The woman replied: ”If I live to be 120, then my age is one thirds of the time I have left.” How old is the woman?
   a) 30 b) 40 c) 60 c) 90

2. In Aunt Lucy’s garden there are about 50-100 tulips. She says that 20% of the tulips are yellow and 1/7 of them are white. How many tulips does she have?
   a) 80 b) 75 c) 70 d) 56

3. A 30 cm diameter pizza is enough for two children. For how many children will be enough a family pizza if its diameter is 60 cm?
   a) 4 b) 6 c) 8 d) 10

4. There are exactly 100 sheep grazing in a field. Each of them is white or black. We know that among them there is at least one black sheep and out of any two at least one is white. How many black sheep are grazing in the field?
   a) 1 b) 2 c) 49 d) 50

5. Six weights, weighing 1 pound, 2 pounds, 3 pounds, 4 pounds, 5 pounds and 6 pounds were placed into three boxes – two weights in each box. The weights in the first box weigh 5 pounds together, and those in the second box weigh 6 pounds. Which weights are in the third box?
   a) 4 and 6 b) 3 and 4 c) 1 and 5 d) 2 and 5

6. A shopkeeper buys 5 pairs of socks for $5 and sells 4 pairs of socks for $5. How many pairs of socks must he sell in order to make a profit of $20?
   a) 20 b) 80 c) 100 d) 120

7. A man spent 1/4 of his money and then lost half of the remainder. He was left with $24. How much did he start with?
   a) 32 b) 48 c) 64 d) 72

8. The last Saturday of a particular month is on the 27th day of the month. What day of the week is the first day of the month?
   a) Sunday b) Monday c) Tuesday d) Thursday

9. Baby Tom was born on Thursday, 24th of May, 2007. When will be his birthday on Thursday again?
   a) in 2012 b) in 2013 c) in 2014 d) in 2015

10. You have 5 red balls, 7 blue balls and 3 yellow balls in a box. You reach in without looking and pull out one ball at a time. What is the fewest number of balls you would need to take out to be sure you took out at least one ball of each color?
    a) 3 b) 5 c) 9 d) 13