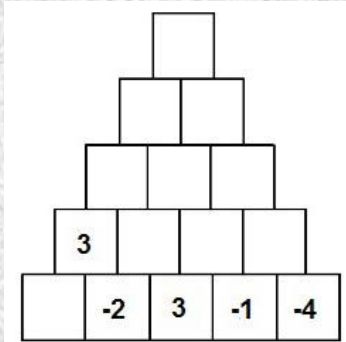**DIVISIBILITY AND INTEGERS TEST - 2º ESO**

Exercise 1: (1 point) Complete this addition pyramid. The number in each brick is found by adding the two directly below it.

Exercise 2: (2 points) Work out:
   a) lcm (36, 90) =
   b) hcf (25, 81)=
   c) lcm (24, 50, 28) =
   d) hcf (52, 65, 78) =

Exercise 3: (1 point) Decide if these statements are true or false and why
   a) 5 is a multiple of 15   b) 12 is a divisor of 30
   c) 45 is a multiple of 9   d) 7 is a divisor of 56

Exercise 4: (0.75 ptos) An ice cream truck visits Jeannette's house every twelve days and another ice cream truck visits her house every fifteen days. If both trucks visited today, when is the next time they will coincide?

Exercise 5: (2 ptos) Work out:
   a) $-8+5-4+9-2+7-3=$
   b) $-(+7)-(-3)+(-4)+(+1)-(+5)=$
   c) $-5+4\cdot(7-9)-12:(15-3\cdot7)=$
   d) $2+3\cdot(12-9)-12:(-6)+(-1)^{15}=$
   e) $18-6\cdot(12-7\cdot2)^3+7-20:4=$

Exercise 6: (1.5 ptos) La temperatura en el exterior de mi casa es de veintitrés grados, mientras que dentro de la nevera es de cinco grados y en el congelador es de doce bajo cero. Calcula la diferencia de temperatura entre:
   a) El exterior y la nevera
   b) La nevera y el congelador
   c) El exterior y el congelador

Exercise 7: (0.75 ptos) Yesterday morning I had €15. My mom gave me €10 and I found a €5 bill when I got down the street. I went shopping and I bought a sweater, €21, and a T-shirt, €9 and then I got a burger, €3. How much money do I have now?

Exercise 8: (1 point) Find all the divisors of 72 and 120