

## DIVISIBILITY TEST - 1<sup>st</sup> COURSE OF ESO

**Exercise 1: ( 1 pto)** Write these numbers using words

- a) 467
- b) 10850
- c) 13

**Exercise 2: (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 3: (1 point)** Find all the divisors of 72 and 120

**Exercise 4: (1 pto)** Decide if the following numbers are multiples of 2, 3, 5, 10 or 11

- a) 4785
- b) 3894
- c) 619
- d) 61710

**Exercise 5: (2 points)** Work out:

- a) lcm (36, 90) =
- b) hcf (25, 81)=
- c) lcm (24, 50, 28) =
- d) hcf (52, 65, 78) =

**Exercise 6: (1 pto)** Escribe todas las formas posibles de repartir 30 escorpiones en cajas iguales

**Exercise 7: (0.75 ptos)** Tengo 75 tetra-bricks de zumo de piña, 150 de zumo de naranja y 100 de frutas del bosque. Quiero empaquetarlos en cajas lo más grandes posibles de forma que todas sean iguales. ¿Cuántas cajas puedo hacer? ¿Qué sabores hay en cada caja?

**Exercise 8: (1.5 ptos)** Work out:

- a)  $5 + 4 \cdot (9 - 7) - 12 : (15 - 3 \cdot 4) =$
- b)  $2 + 3 \cdot (12 - 9) - 12 : 6 + 1^{15} =$
- c)  $18 - 6 \cdot (12 - 5 \cdot 2)^3 + 7 - 20 : 4 =$

**Exercise 9: (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?