

Bilingual Mathematics 1º E.S.O. Numbers, Powers and Roots

Name: _____ Date: October 21st, 2016

1. Write the following numbers as roman numerals: a) 43 b) 159 c) 2384	What are these numbers? a) XLIX b) CCLX c) MCCCVI
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2. Write the following numbers in figures:
a. Four million three hundred twenty four thousand
b. Two hundred and fifteen thousand and ninety-nine

3. Round the following numbers to the millions
28.956.326 135.249652 1.234.515121

4. Calculate:

$$6 \times 59 + 4 \times 59 = \quad 440 - [30 + 6(19 - 12)] = \quad 3 \times 9 + (6 + 5 - 3) - 12 \div 4 = \quad (6 + 12) \div 3 =$$

5. In Jose's farm there are 6,430 lambs (corderos), there are either black or White. There are 985 white ones. How many of farmer Jose's lambs are black?

6. Express as a power:

a) 2·2·2·2·2·2	b) 5·5	c) 7·7·7	d) 10·10·10·10·10·10
e) 3·3·3·3·3	f) 9·9·9·9	g) 8·8·8·8·8·8·8·8	h) 4·4·4·4·4·4·4

7. Express as a power

a) $(12^3 \cdot 2^3) : 4^3$ b) $81^2 : (3^2 \cdot 9^2)$ c) $((20^2)^4) : 2^8 \cdot 3^8$ d) $(10^2)^5 \cdot (7^{10} : 14^{10})$

8. Ana and Javi are discussing a question. Ana thinks 1^8 , 1^9 and 1^{10} are the same thing, all of them give 1, and Javi thinks that 1^8 is 8, 1^9 is 9 and 1^{10} is 10. What do you think? Who is doing it correctly, Ana or Javi?

9. Calculate:

a) $\sqrt{49}$ b) $\sqrt{64}$ c) $\sqrt{81}$ d) $\sqrt{121}$ e) $\sqrt{144}$

10. Express as a power of ten

a) 100000	b) 1000000	c) 100000000
d) 10000000000000	e) 100000000000000000	