

Name : First name : 2 <sup>nde</sup> H euro	<b>Mathematics</b> <b>Test n°1</b> <b>Monday, December 10<sup>th</sup> 2012</b>	Mark :
---	---	--------

**Exercise 1** : Fill in the blanks :

$\frac{3}{4}$  is ..... of  $\frac{4}{3}$  ; -2 is ..... of 2

**Exercise 2** : Using any or all of the figures 2, 3, 5, 6 write down :

a) a multiple of 9 : ..... ; b) a factor of 24 : .....

**Exercise 3** : Write in **full** words (as you would say) :

$x = 3$  : .....

2,502,879 : .....  
.....  
.....

0.0257 : .....

$\frac{2}{3}$  : .....  $\frac{3}{4}$  : .....

$5^2 - 8^3 < -100$  : .....  
.....  
.....

$\frac{2 \times 5}{x^5 - 1}$  : .....  
.....

$\sqrt{3x + 5}$  : .....  
.....

**SPORT** : Write the **scores** in **full** words:

Football : “ Chelsea – Manchester United **2 – 0** ” : .....

Tennis : “ Andy Murray leads in the first game **40 – 0** ” : .....

**Exercise 4 :**

a) How do you call a whole number which cannot be divided by 2 ? Give an example greater than 50.

.....

b) How do you call a whole number which can be divided by 2? Give an example greater than 100.

.....

c) What is a prime number ? Give an example greater than 20.

.....

.....

d) What is the name of the operation, the name of the result and the verb when you use the symbol “ – “ ?

.....

**Exercise 5 :** a) What does each letter of the acronym B.O.D.M.A.S mean ?

B : ..... ; O : .....

D : ..... ; M : .....

A : ..... ; S : .....

b) What is B.O.D.M.A.S used for ?

.....

.....

.....

.....

.....

**Exercise 6 :** “Coutdown” : 1 – 2 – 6 – 25 – 100 – 10 ; target number : 238

Using the rules of the game *Countdown*, try to get the target with the numbers above.

.....

.....

.....

.....