NUMBER THEORY

Objective: Practice pass B.J.C questions related to types of numbers and solving word problems.

INSTRUCTION: Answer ALL the following questions in the space provided. Show all necessary working.

1). Write the number which is NOT a square number:

49   16   30   9

Ans: _____ [1] (2007)

_____

2). Write a number that is NOT a prime number:

2   3   7   21

Ans: _____ [1] (2007)

_____

3). Write the value of:

8 hundred, 3 tens and 6 ones

Ans: _____ [1] (2009)

_____

4). Write the next number in each of the sequences below.   [1, 1] (2011)

a). 4, 9, 16, _____

b). 39, 36, 33, 30, _____

_____

5). Write 4000 + 30 as an ordinary number.

Ans: _____ [1] (2013)

_____

6). Arrange the integers below, in order of size, from the least to the greatest.

7 ,   - 7,   0,   3,   - 3

Ans: _____ [2] (2012)

_____

7). Write ALL the one-digit prime numbers.

Ans: _____ [2] (2016)

_____

8). a). Arrange the integers in order from least to greatest.

| 8,   - 12,   0 |

Ans: _____ [1]

b). Find the difference between the greatest and least integer.

| | — | |

Ans: _____ [2] (2015)

_____

9). Fill in the square and cube of the given number. [2] (2014)

Number	Number Squared	Number Cubed
3		

_____

10). How much greater than 3.93 is 24?

	−	

Ans: _____ [2] (2014)

_____

11). The sum of two numbers is 12. One of the numbers is 8.78. Find the other number.

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Ans: _____ [3] (2010)

_____

12). The product of two numbers is 720. One of the numbers is 12. What is the other number?

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Ans: _____ [2] (2007)P.2