Activity Worksheet

Challenging brain

Sub : Mathematics **Grade: X** **Date: .....**

Name: ..... **ID No.....**

1. Tick the correct answer for each of the following:

i. The decimal expansion of the rational number $\frac{47}{2\times5^4}$ will terminate after

(a) one decimal place (b) two decimal places

(c) three decimal places (d) none of these

ii. For some integer m, every odd integer is of the form

(a) m (b) m +

(c) 2m +1 (d) 2m

iii. Euclid division Lemma states that if a and b are any two positive integers, then there exist unique integers q and r such that

(a) a = bq + r , 0 < r £ b (b) a= bq + r, 0 £ r< b

(c) a = bq + r n, 0 < q £ b (d) a= bq + rn, 0 £ r< b

iv. The sum or difference of a rational and an irrational number is

(a) always irrational (b) always rational

(c) rational or irrational (d) none of these

v. If two positive integers a and b can be expressed as $a = x^1 y^3$ and $b = x^1 y^1$; x , y being prime numbers, then L.C.M. (a, b) is

(a) $x^1 y^1$ (b) $x^1 y^1$

(c) $x^1 y^3$ (d) $x^1 y^3$

vi. The largest number which divides 71 and 97 leaving remainder 11 and 7 respectively is

(a) 15 (b) 20

(c) 60 (d) 30

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