

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: X

Date: .....

Name: .....

ID No.....

## Chapter-One

### Vocabulary Quiz

Directions: Match the vocabulary words on the left with the definitions on the right by shading the circles given at the bottom.

(i) Real numbers	(a) a statement made by observing a pattern based on some particular cases in the hope that it is true in all cases.
(ii) Conjecture	(b) a proven statement used for proving another statement.
(iii) Lemma	(c) the collection of all rational and irrational numbers
(iv) Algorithm	(d) given positive integers a and b, there exist unique integers q and r satisfying $a = bq + r$ , $0 \leq r < b$ .
(v) Euclid division lemma	(e) Every composite number can be factorised as a product of primes, and this factorisation is unique apart from its order.
(vi) H.C.F	(f) least number which is exactly divisible by each one of the given numbers.
(vii) L.C.M	(g) largest number that divides the given numbers.
(viii) Fundamental theorem of arithmetic	(h) a series of well-defined steps which gives a procedure for solving a type of problem.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
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