

Chapter 5 Class 6

Ganita Prakash

- Assertion and Reasoning

Worksheet 2

by *teachoo*

Chapter: [Chapter 5 Class 6 - Prime Time \(Ganita Prakash\)](#)

Name: _____

School: _____

Roll Number: _____

Instructions:

For each question, two statements are given: Assertion (A) and Reason (R). Choose the correct option.

- (a) Both A and R are true, and R is the correct explanation of A.
- (b) Both A and R are true, but R is not the correct explanation of A.
- (c) A is true, but R is false.
- (d) A is false, but R is true.

1) **Assertion (A):** The number 46 has more factors than 47.

Reason (R): 46 is a composite number and will have more than 2 factors whereas 47 is a prime number and will have only 2 factors.

2) **Assertion (A):** The pattern 5, 10, 15, 26, 30 breaks at 26.

Reason (R): 26 is a multiple of 5.

3) **Assertion (A):** $64 = 2^6$ where 6 is a power of prime number 2.

Reason (R): If a number has only prime factor repeated, then it is a power of prime number.

4) **Assertion (A):** The prime factorisation of a number is not unique.

Reason (R): Every composite number can be written as a product of prime numbers.

5) **Assertion (A):** 60 is a common multiple of 2 and 10.

Reason (R): 2 and 10 are the only factors of 60.

Important links

- Answer of this worksheet -<https://www.teachoo.com/25633/5382/Assertion-Reasoning---Worksheet-2/category/Teachoo-Questions---Assertion-Reasoning/>
- Full Chapter with Explanation, Activity, Worksheets and more – <https://www.teachoo.com/subjects/cbse-maths/class-6/chapter-5-ganit-prakash/>
- Science Class 6 – <https://www.teachoo.com/subjects/science/class-6/>
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