

Chapter 3 Class 6 Ganita Prakash - Number Play - Assertion and Reasoning Worksheet 2 by *teachoo*

Chapter: [Chapter 3 Class 6 Ganita Prakash - Number Play](#)

Name: _____

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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):** It is a known property that all 2-digit numbers will eventually form a palindrome using the reverse-and-add method.

Reason (R): The process is guaranteed to converge because the number of digits in the sum can never exceed four.

2. **Assertion (A):** In the game of " 21 ", the second player can always win if the first player doesn't know the strategy.

Reason (R): The winning strategy involves capturing the multiples of 4 . If the first player picks 1,2 , or 3 , the second player can always capture 4.

3. **Assertion (A):** The highest-selling product in a ranked list is not guaranteed to be a "local bestseller" (a supercell).

Reason (R): To be a local bestseller, it must outsell its immediate neighbours. The top product could be next to the second-best product, in which case the second-best is not outsold.

4. **Assertion (A):** A company's annual revenue, a 5-digit figure, when added to next year's 5-digit revenue, will sometimes result in a 6digit total.

Reason (R): The sum will exceed 5 digits and become a 6 -digit number if the combined revenue is ₹1,00,000 or more.

5. **Assertion (A):** The date February 22nd, 2022, is a palindromic date.

Reason (R): When written in DDMMYYYY format as 22022022, the sequence of digits reads the same forwards and backwards.

Important links

- Answer of this worksheet -<https://www.teachoo.com/25641/5399/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-3-ganit-prakash/>
- Curiosity Class 6 (Science) -
<https://www.teachoo.com/subjects/science/class-6/>
- Ganita Prakash Class 6 (Maths) - <https://www.teachoo.com/subjects/cbse-maths/class-11th/>

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