Quiz Portal Answer Attempt

Math Quiz (Class-10)

Time : 30 Minutes. | Total Questions : 10 | **Total Mark : 10 X 1 = 0**

Positive Mark For Every Question : 1 | Negative Mark For Every Question : 0.5

Name Md. Selim Reza || Achieved Mark : -1 / 10

Attempt : 5 || Correct : 1 (10%) || Wrong : 4 (40%) || Not Answer : 5 (50%)

Submitted : 06 Jan, 2023 01:00 pm || Duration 0 Minutes 33 Seconds

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1) The decimal expansion of 22/7 is

- A. (a) Terminating (* ✖)
- B. (b) Non-terminating and repeating (✓)
- C. (c) Non-terminating and Non-repeating
- D. (d) None of the above

Your Answer: (a) Terminating
Correct Answer: (b) Non-terminating and repeating
Explain :

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2) 2. For some integer n, the odd integer is represented in the form of:

- A. (a) n
- B. (b) n + 1 (* ✖)
- C. (c) 2n + 1 (✓)
- D. (d) 2n

Your Answer: (b) n + 1
Correct Answer: (c) 2n + 1
Explain : Explanation: Since 2n represents the even numbers, hence 2n + 1 will always represent the odd numbers. Suppose if n = 2, then 2n = 4 and 2n + 1 = 5.

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3) 3. HCF of 26 and 91 is:

- A. (a) 15
- B. (b) 13 (✓)
- C. (c) 19 (* ✖)
- D. (d) 11

Your Answer: (c) 19
Correct Answer: (b) 13
Explain : Explanation: The prime factorisation of 26 and 91 is; 26 = 2 x 13 91 = 7 x 13 Hence, HCF (26, 91) = 13

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4) 4. Which of the following is not irrational?

- A. (a) $(3 + \sqrt{7})$
- B. (b) $(3 - \sqrt{7})$
- C. (c) $(3 + \sqrt{7})(3 - \sqrt{7})$ (✓)
- D. (d) $3\sqrt{7}$

5) 5. The addition of a rational number and an irrational number is equal to:

- A. (a) rational number
- B. (b) Irrational number (✓)
- C. (c) Both
- D. (d) None of the above

Your skipped this MCQ
Correct Answer: (b) Irrational number

Explain : The addition of a rational number and an irrational number is equal to irrational number.

6) 6. The multiplication of two irrational numbers is:

- A. (a) irrational number (✱ ✖)
- B. (b) rational number
- C. (c) Maybe rational or irrational (✓)
- D. (d) None

Your Answer: (a) irrational number
Correct Answer: (c) Maybe rational or irrational

Explain : The multiplication of two irrational numbers is maybe rational or irrational.

7) 7. If set A = {1, 2, 3, 4, 5,…} is given, then it represents:

- A. (a) Whole numbers
- B. (b) Rational Numbers
- C. (c) Natural numbers (✱ ✓)
- D. (d) Complex numbers

Your Answer: (c) Natural numbers
Correct Answer: (c) Natural numbers

Explain : If set A = {1, 2, 3, 4, 5,…} is given, then it represents natural numbers.

8) 8. If p and q are integers and is represented in the form of p/q, then it is a:

- A. (a) Whole number
- B. (b) Rational number (✓)
- C. (c) Natural number
- D. (d) Even number

Your skipped this MCQ
Correct Answer: (b) Rational number

Explain : If p and q are integers and is represented in the form of p/q, then it is a rational number.

9) 9. The largest number that divides 70 and 125, which leaves the remainders 5 and 8, is:

A. (a) 65
B. (b) 15
C. (c) 13 (✓)
D. (d) 25

Your skipped this MCQ

Correct Answer: (c) 13

Explain : Explanation: 70 – 5 = 65 and 125 – 8 = 117 HCF (65, 117) is the largest number that divides 70 and 125 and leaves remainder 5 and 8. HCF (65, 117) = 13

10) 10. The least number that is divisible by all the numbers from 1 to 5 is:

A. (a) 70
B. (b) 60 (✓)
C. (c) 80
D. (d) 90

Your skipped this MCQ

Correct Answer: (b) 60

Explain : Explanation: The least number will be LCM of 1, 2, 3, 4, 5. Hence, LCM (1, 2, 3, 4, 5) = 2 x 2 x 3 x 5 = 60