CBSE

Class-6 | Maths

Chapter – 3 | Number Play

QUIZ-01

Under CSR Support by
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1. Which of the following is a correct example of numbers being used to convey information?
   A. Drawing rangoli
   B. Writing a poem
   C. Decorating a classroom
   D. Displaying the date on a calendar (D)

   Explanation : Dates on a calendar use numbers to give information.

2. Numbers help us in mathematics mainly to:
   A. Colour shapes
   B. Convey information and identify patterns
   C. Memorise definitions
   D. Draw figures (B)

   Explanation : The chapter explains that numbers help in conveying information and finding patterns.

3. A number in a table is called a supercell when it is:
   A. Smaller than all neighbouring cells
   B. Placed at a corner
   C. Greater than all its neighbouring cells
   D. An even number (C)

   Explanation : A supercell must be greater than all adjacent cells.

4. Which statement about a supercell is always true?
   A. The smallest number can be a supercell
   B. Every supercell is coloured red
   C. Every supercell lies in the centre
   D. The largest number in the table is always a supercell (D)

   Explanation : The largest number has no greater neighbour, so it is always a supercell.

5. A number that reads the same from left to right and right to left is called a:
   A. Composite number
   B. Even number
   C. Palindromic number
   D. Prime number (C)

   Explanation : Such numbers are known as palindromic numbers.

6. Which of the following numbers is palindromic?
   A. 232
   B. 345
   C. 678
   D. 489 (A)

   Explanation : 232 remains the same when read forwards and backwards.

7. In Kaprekar's process for 4-digit numbers, the final number reached is:
   A. 9999
   B. 6174
   C. 495
   D. 1000 (B)

   Explanation : 6174 is known as the Kaprekar constant.

8. According to the Collatz rule, when a number is odd, the next step is to:
   A. Divide it by 2
   B. Add 2
   C. Multiply it by 3 and add 1
   D. Subtract 1 (C)

   Explanation : Odd numbers are multiplied by 3 and then 1 is added.

9. Estimation is most useful when:
   A. Exact answers are compulsory
   B. Numbers are very small
   C. An approximate answer is sufficient
   D. Division is involved (C)

   Explanation : Estimation is used when a close value is enough.

10. Which statement best describes estimation?
    A. Finding an exact value
    B. Guessing randomly
    C. Finding a reasonable approximate value
    D. Writing large numbers (C)

    Explanation : Estimation means finding a close and sensible value, not the exact one.