

Mathematics

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(Chapter 3) (Playing with Numbers) (Practice Test - 1)

(Class VI)

Time Allowed: 1 Hour 15 Minutes

Maximum Marks: 25

General Instructions:

- This question paper contains four sections – A, B, C, D. Each part is compulsory.
- Section – A has 5 MCQ of one mark each.
- Section – B has 3 questions of two marks each.
- Section – C has 3 questions of three marks each.
- Section – D has 2 questions of five marks each, attempt any 1 out of 2.
- There is no negative marking.

Section – A

1. Which of the following numbers is a perfect number?

- (A) 4 (B) 12 (C) 8 (D) 6

2. Which of the following are not twin-primes?

- (A) 3, 5 (B) 5, 7 (C) 11, 13 (D) 17, 23

3. Which of the following is a prime number?

- (A) 263 (B) 361 (C) 323 (D) 324

4. Which of the following numbers is divisible by 9

- (A) 9076185 (B) 92106345 (C) 10349576 (D) 95103476

5. If $1*548$ is divisible by 3, then * can take the value

- (A) 0 (B) 2 (C) 7 (D) 8

Section – B

6. The number of primes between 90 and 100 is

7. Write down separately the prime and composite numbers less than 20.

8. Find the common factors of:
20 and 28

Section – C

9. Give three pairs of prime numbers whose difference is 2.

10. Find first three common multiples of:
12 and 18

11. Determine the LCM of the numbers given below:
108, 135, 162

Section – D

12. Write all the numbers less than 100 which are common multiples of 3 and 4.

13. What is the smallest number which when divided by 24, 36 and 54 gives a remainder of 5 each time?

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Answers

Section - A

1. 6
2. 17, 23
3. 263
4. 9076185
5. 0

Section - B

6. 1
7. 2, 3, 5, 7, 11, 13, 17 and 19 are the prime numbers
4, 6, 8, 9, 10, 12, 14, 15, 16 and 18 are the composite numbers less than 20
8. Common factors = 1, 2, 4

Section - C

9. (3, 5), (5, 7), (11, 13)
10. Three common factors are 36, 72, 108
11. 1620

Section - D

12. 12, 24, 36, 48, 60, 72, 84 and 96
13. 221

