

Mathematics

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(Chapter 3) (Playing with Numbers) (Practice Test - 4)

(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

Match the items in column 1 with the items in column 2.

Column 1

1. 35
2. 15
3. 16
4. 20
5. 25

Column 2

- (A) Multiple of 8
- (B) Multiple of 7
- (C) Multiple of 70
- (D) Factor of 30
- (E) Factor of 50
- (F) Factor of 20

Section – B

6. I am the smallest number, having four different prime factors. Can you find me?
7. The product of three consecutive numbers is always divisible by 6. Verify this statement with the help of some examples.
8. Express the following numbers as the sum of twin primes:
120

Section – C

9. Find the HCF and LCM of the following pairs of numbers:
861, 1353
10. The length, breadth and height of a room are 825 cm, 675 cm and 450 cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.
11. Using divisibility tests, determine which of the following numbers are divisible by 11:
(i) 7138965
(ii) 70169308
(iii) 10000001

Section – D

12. Three tankers contain 403 litres, 434 litres and 465 litres of diesel, respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.
13. Using divisibility tests, determine which of the following numbers are divisible by 4; by 8:
(i) 572
(ii) 726352
(iii) 5500
(iv) 6000
(v) 12159
(vi) 14560
(vii) 21084
(viii) 31795072
(ix) 1700
(x) 2150

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Answers

Section - A

1. B
2. D
3. A
4. F
5. E

Section - B

6. 210
7. $2 \times 3 \times 4 = 24$ which is divisible by 6, $5 \times 6 \times 7 = 210$ which is divisible by 6.
8. $59+61$

Section - C

9. HCF - 123, LCM - 9471
10. 75 cm
11. (ii), (iii)

Section - D

12. 31 litres
- 13.

Numbers	Divisible by 4	Divisible by 8
572	Yes	No
726352	Yes	Yes
5500	Yes	No
6000	Yes	Yes
12159	No	No
14560	Yes	Yes
21084	Yes	No
31795072	Yes	Yes
1700	Yes	No
2150	No	No

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