



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



CLASS 8

SUBJECT :Arithmetic

Work sheet 5

Marks:15

PLAYING WITH NUMBERS

Date:11.4.2020

Answer all the following questions($1 \times 15 = 15$)

1. When the sum of a 2-digit number ab and number obtained by reversing the digits is divided by $(a + b)$, the quotient is
 - (a) $a - b$
 - (b) 9
 - (c) 11
 - (d) None of these
2. When the sum of a 3-digit number abc and numbers obtained by changing the order of the digits cyclically is divided by 111, then the quotient is
 - (a) 37
 - (b) $a - b + c$
 - (c) $a + b + c$
 - (d) 3
3. If $A + A + A = BI$, where A and B are different digits, then
 - (a) $A = 1, B = 5$
 - (b) $A = 5, B = 2$
 - (c) $A = 5, B = 1$
 - (d) $A = 7, B = 2$
4. Which of the following numbers is not divisible by 2?
 - (a) 437218
 - (b) 437821
 - (c) 437812
 - (d) 437182
5. Which of the following numbers is not divisible by 10?
 - (a) 32570
 - (b) 32750

- (c) 32500
- (d) 32075

6. Which of the following numbers is divisible by 4?

- (a) 98764
- (b) 98746
- (c) 98674
- (d) 98647

7. Which of the following numbers is divisible by 8?

- (a) 32466
- (b) 32476
- (c) 32486
- (d) 32456

8. Which of the following numbers is divisible by 11?

- (a) 725824
- (b) 752824
- (c) 725842
- (d) 725482

9. Which of the following numbers is not divisible by 9?

- (a) 24354
- (b) 24453
- (c) 24534
- (d) 24564

10. If $467x8$ is divisible by 3, then the value of x

- (a) 1
- (b) 2
- (c) 3
- (d) 4

11. If $36x52y8$ is divisible by 9, then $x + y$ is

- (a) 2
- (b) 3
- (c) 4
- (d) 5

12. If the division $N \div 5$ leaves remainder 4 and the division $N \div 2$ leaves remainder 1, then unit's digit of N must be

- (a) 9
- (b) 10
- (c) 8

(d) 20

13. The sum of a 2-digit number and number obtained by reversing the digits is always divisible by

(a) 12

(b) 11

(c) 10

(d) 7

14. The difference of a 2-digit number and number obtained by reversing the digits is always divisible by

(a) 8

(b) 6

(c) 9

(d) 2

15. The next number of the series 0, 1, 1, 2, 3, 5, 8, 13, is

(a) 24

(b) 2

(c) 21

(d) 14

Indranil Ghosh