



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**CLASS 8**

**SUBJECT :ArithmeticWork sheet13**

**Marks:15PLAYING WITH NUMBERS**

**Date:27.2.21**

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  $467 \times 8$  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

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