



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



CLASS 8

SUBJECT :ArithmeticWork sheet14

Marks:15PLAYING WITH NUMBERS ANSWER KEY

Date:1.3.21

Answer all the following questions(1×15=15)

1. If M is a number such that $M \div 5$ gives a remainder of 1, then which of the following is the one's digit of M ?
 - (i) 1
 - (ii) 6
 - (iii) 1 or 6
 - (iv) none of these.
2. A number divisible by 9 is also divisible by:
 - (i) 3
 - (ii) 6
 - (iii) 11
 - (iv) none of these.
3. If $[3X 74]$ is a number divisible by 9, then the least value of X is:
 - (i) 1
 - (ii) 2
 - (iii) 3
 - (iv) 4
4. If $[1X 2Y 6Z]$ is a number divisible by 9, then the least value of $X + Y + Z$ is:
 - (i) 0
 - (ii) 1
 - (iii) 6
 - (iv) 9
5. The number 2 8 2 2 1 is divisible by which of the following:
 - (i) 2
 - (ii) 3
 - (iii) 6
 - (iv) 9

6. Which of the following is one's digit of a number, when divided by 5 gives a remainder of 3?

- (i) 8
- (ii) 3
- (iii) 3 or 8
- (iv) none of these.

7. If the 4-digit number $2X Y7$ is exactly divisible by 3, then which of the following is the least value of $(X + Y)$?

- (i) 3
- (ii) 4
- (iii) 6
- (iv) 6

8. If a number is divisible by 2, then which of the following cannot be a one's digit in it?

- (i) 0
- (ii) 1
- (iii) 2
- (iv) 4

9. If a number is divisible by 5, then which of the following can be its one's digit?

- (i) 2
- (ii) 3
- (iii) 4
- (iv) 5

10. If a number is divisible by 10, then which of the following can be its one's digit?

- (i) 0
- (ii) 1
- (iii) 3
- (iv) 5

11. The general form of abc is:

- A. $100a + 10b + c$
- B. $100b + 10c + a$
- C. $100c + 10a + b$
- D. None of the above

12. The generalised form of 129 is:

- A. $100+90+2$
- B. $100+20+9$
- C. $100+2+9$
- D. None of the above

13. The usual form of $100 \times 7 + 10 \times 1 + 8$ is:

- A. 108
- B. 708
- C. 718
- D. 170

14. Which of the following numbers are not divisible by 5?

- A. 20
- B. 125
- C. 122
- D. 200

15. Which of the following numbers are divisible by 10?

- A. 99
- B. 45
- C. 110
- D. 75

1. (iii)	2. (i)	3. (iv)	4. (i)	5. (ii)
6. (iii)	7. (i)	8. (ii)	9. (iv)	10. (i)

- 11. A
- 12. B
- 13. C
- 14. C
- 15. C

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