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(Affiliated to CBSE up to +2 Level)

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Subject: Mathematics

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Playing with Numbers

Multiple Choice Questions

1. If $31z6$ is a multiple of 9 then the value of z is:

- (a) 0 (b) 4 (c) 8 (d) 9

2. If $1A \times A = 9A$, then what is the value of A ?

- (a) 3 (b) 5 (c) 6 (d) 2

3. If $BA \times B^3 = 57A$, then the value of A and B is:

- (a) $A = 5, B = 2$ (b) $A = 2, B = 5$ (c) $A = 5, B = 3$ (d) $A = 3, B = 5$

4. If $2AB + AB1 = B18$, then the value of A and B is:

- (a) $A = 5, B = 8$ (b) $A = 2, B = 5$ (c) $A = 7, B = 9$ (d) $A = 4, B = 7$

5. If $AB \times 6 = BBB$, then the value of A and B is:

- (a) $A = 7, B = 4$ (b) $A = 0, B = 1$ (c) $A = 1, B = 0$ (d) $A = 9, B = 7$

6. If $8A5 + 94A = 1A33$, then what is the value of A ?

- (a) 0 (b) 4 (c) 8 (d) 9

7. If $2y25$ is a multiple of 9, where y is a digit then the value of y is:

- (a) 0 (b) 3 (c) 1 (d) 2

8. If $31y5$ is a multiple of 3, where y is a digit then the value of y is:

- (a) 0 (b) 1 (c) 2 (d) None of these

9. If $24x$ is a multiple of 11, where x is a digit then the value of x is:

- (a) 0 (b) 1 (c) 2 (d) None of these

10. If $66784y$ is divisible by 9, where y is a digit then the value of y is:

- (a) 0 (b) 3 (c) 1 (d) None of these