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(Affiliated to CBSE up to +2 Level)

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SUB.: MATHEMATICS

1. An integer can be:

- A. Only Positive  
B. Only Negative  
C. Both positive and negative  
D. None of the above

2. A rational number can be represented in the form of:

- A.  $p/q$       B.  $pq$       C.  $p+q$       D.  $p-q$

3. The value of  $\frac{1}{2} \times \frac{3}{5}$  is equal to:

- A.  $\frac{1}{2}$       B.  $\frac{3}{10}$       C.  $\frac{3}{5}$       D.  $\frac{2}{5}$

4. The value of  $(\frac{1}{2}) \div (\frac{3}{5})$  is equal to:

- A.  $\frac{3}{10}$       B.  $\frac{3}{5}$       C.  $\frac{6}{5}$       D.  $\frac{5}{6}$

5. The value of  $\frac{1}{2} + \frac{1}{4}$  is equal to:

- A.  $\frac{3}{4}$       B.  $\frac{3}{2}$       C.  $\frac{2}{3}$       D. 1

6. The value of  $(\frac{5}{4}) - (\frac{8}{3})$  is:

- A.  $\frac{17}{12}$       B.  $-\frac{17}{12}$       C.  $\frac{12}{17}$       D.  $-\frac{12}{17}$

7. The associative property is applicable to:

- A. Addition and subtraction  
B. Multiplication and division  
C. Addition and Multiplication  
D. Subtraction and Division

8. The value of  $(-\frac{10}{3}) \times (-\frac{15}{2}) \times (\frac{17}{19}) \times 0$  is:

- A. 0      B. 22.66      C. 20      D. 35

9. The additive identity of rational numbers is:

- A. 0      B. 1      C. 2      D. -1

10. The multiplicative identity of rational numbers is:

- A. 0      B. 1      C. 2      D. -1