



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 13
RATIONAL NUMBERS

Date: 27.02.21
Full Marks: 15

Choose the correct options:

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 $(-10/3) \times (-15/2) \times (17/19) \times 0$ 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

11. $a + b = b + a$ is called

A. commutative law of addition

B. associative law of addition

C. distributive law of addition

D. none of these.

12. $a \times b = b \times a$ is called

A. commutative law for addition

B. commutative law for multiplication

C. associative law for addition

D. associative law for multiplication.

13. $(a + b) + c = a + (b + c)$ is called

A. commutative law for multiplication

B. commutative law for addition

C. associative law for addition

D. associative law for multiplication.

14. $a \times (b \times c) = (a \times b) \times c$ is called

A. associative law for addition

B. associative law for multiplication

C. commutative law for addition

D. commutative law for multiplication.

15. $a(b + c) = ab + ac$ is called

A. commutative law

B. associative law

C. distributive law

D. none of these.