



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Arithmetic**  
**Duration: 40 min**

**Class: 7**  
**Worksheet 3**  
**RATIONAL NUMBERS**

**Date: 16.04.20**  
**Full Marks: 15**

**Choose the Correct options:**

1. What should be added to  $-\frac{5}{4}$  to get  $-1$ ?

- (a)  $-\frac{1}{4}$
- (b)  $\frac{1}{4}$
- (C) 1
- (D)  $-\frac{3}{4}$

2. What should be subtracted from  $-\frac{5}{4}$  to get  $-1$ ?

- (a)  $-\frac{1}{4}$
- (b)  $\frac{1}{4}$
- (C) 1
- (D)  $-\frac{3}{4}$

3. Which of the following is the identity element?

- (a) 1
- (b)  $-1$
- (C) 0
- (D) None of these

4. Which of the following is the Multiplicative identity for rational numbers?

- (a) 1
- (b)  $-1$
- (C) 0
- (D) None of these

5. Which of the following is neither a positive nor a negative rational number?

- (a) 1
- (b) 0
- (C) Such a rational number doesn't exist
- (D) None of these

6. Which of the following lies between 0 and -1?

- (a) 0
- (b) -3
- (C)  $-2/3$
- (D)  $4/3$

7. What number should be subtracted from  $-3/4$  so as to get  $5/6$ ?

- (a)  $-3/10$
- (b)  $-5/24$
- (c)  $-19/12$
- (d)  $9/25$

8. Which of the following is the product of  $7/8$  and  $-4/21$ ?

- (a)  $-1/6$
- (b)  $1/12$
- (C)  $-16/63$
- (D)  $-147/16$

9. Which of the following is the product of  $(-7/8)$  and  $4/21$ ?

- (a)  $-1/6$
- (b) 12
- (C)  $-63/16$
- (D)  $-16/147$

10. Which of the following is the reciprocal of the reciprocal of a rational number?

- (a) -1
- (b) 1
- (C) 0
- (D) The number itself

11. The sum of the rational numbers  $-8/19$  and  $-4/57$  is \_\_\_\_

- (a)  $-5/57$
- (b)  $7/22$
- (c)  $-28/57$
- (d)  $4/27$

12. What number should be added to  $\frac{3}{8}$  to get  $-\frac{1}{24}$ ?

(a)  $-\frac{5}{12}$

(b)  $-\frac{7}{23}$

(c)  $\frac{31}{72}$

(d)  $\frac{2}{33}$

13. Which of the rational numbers  $\frac{4}{9}$ ,  $-\frac{5}{6}$ ,  $-\frac{7}{-12}$  and  $\frac{11}{-24}$  is the smallest?

(a)  $\frac{4}{9}$

(b)  $-\frac{5}{6}$

(c)  $-\frac{7}{-12}$

(d)  $\frac{11}{-24}$

14. Which of the rational numbers  $-\frac{4}{9}$ ,  $\frac{5}{-12}$ ,  $\frac{7}{-18}$ ,  $\frac{2}{-3}$  is the greatest?

(a)  $\frac{7}{-18}$

(b)  $-\frac{4}{9}$

(c)  $\frac{2}{-3}$

(d)  $\frac{5}{-12}$

15. Simplify:  $\frac{2}{3} + -\frac{4}{5} + \frac{7}{15} + -\frac{11}{20}$

(a)  $-\frac{1}{5}$

(b)  $-\frac{13}{60}$

(c)  $-\frac{4}{15}$

(d)  $-\frac{7}{30}$