



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 14
RATIONAL NUMBERS

Date: 01.03.21
Full Marks: 15

Choose the correct options:

1. The sum of the rational numbers $-\frac{8}{19}$ and $-\frac{4}{57}$ is _____

- (a) $-\frac{5}{57}$
- (b) $\frac{7}{22}$
- (c) **$-\frac{28}{57}$**
- (d) $\frac{4}{27}$

2. 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) $\frac{2}{33}$

3. 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) $\frac{11}{-24}$

4. 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) $\frac{5}{-12}$

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

(a) $-1/5$

(b) $-13/60$

(c) $-4/15$

(d) $-7/30$

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

(a) $-3/10$

(b) $-5/24$

(c) $-19/12$

(d) $9/25$

7. Which of the following rational numbers is in the standard form?

(a) $-9/28$

(b) $-26/78$

(c) $-14/16$

(d) $48/-96$

8. The sum of two rational numbers is -7 . If one of the numbers is $-15/19$, the other number is _____

(a) $-21/10$

(b) $-57/16$

(c) $7/9$

(d) $-118/19$

9. Which of the following forms a pair of equivalent rational numbers?

(a) $24/40$ and $35/50$

(b) $-25/35$ and $55/-77$

(c) $-8/15$ and $-24/48$

(d) $9/72$ and $-3/21$

10. The value of $\{-8/13 \times 26/-3\}$ is _____

(a) $-8/13$

(b) $-7/26$

(c) $-4/13$

(d) $16/3$

11. The reciprocal of a negative rational number _____

(a) is a positive rational number

(b) is a negative rational number

(c) can be either a positive or a negative rational number

(d) does not exist

12. The value of $(-16/21 \div -4/3)$ is _____

(a) $-3/10$

(b) $-7/21$

(c) $4/7$

(d) $-7/6$

13. Fill in the blanks: $5/12 \div (\text{_____}) = -35/18$

(a) $-21/36$

(b) $-12/19$

(c) $-5/18$

(d) $-3/14$

14. The product of two numbers is $-20/9$. If one of the numbers is 4, find the other.

(a) $-5/9$

(b) $\frac{3}{11}$

(c) $\frac{12}{39}$

(d) $-\frac{9}{11}$

15. The sum of two numbers is $\frac{18}{25}$. If one number is $-\frac{7}{25}$ What is the other number?

(a) $-\frac{18}{25}$

(b) $\frac{7}{25}$

(c) 1

(d) -1