



ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Arithmetic
Duration: 40 min

Class: 7
Worksheet Solution 11
RATIONAL NUMBERS.

Date: 20.02.21
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) $-\frac{1}{5}$
- (b) $-\frac{13}{60}$**
- (c) $-\frac{4}{15}$
- (d) $-\frac{7}{30}$

6. What number should be subtracted from $-\frac{3}{4}$ so as to get $\frac{5}{6}$?

(a) $-\frac{3}{10}$

(b) $-\frac{5}{24}$

(c) $-\frac{19}{12}$

(d) $\frac{9}{25}$

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

(a) $-\frac{9}{28}$

(b) $-\frac{26}{78}$

(c) $-\frac{14}{16}$

(d) $\frac{48}{-96}$

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

(a) $-\frac{21}{10}$

(b) $-\frac{57}{16}$

(c) $\frac{7}{9}$

(d) $-\frac{118}{19}$

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

(a) $\frac{24}{40}$ and $\frac{35}{50}$

(b) $-\frac{25}{35}$ and $\frac{55}{-77}$

(c) $-\frac{8}{15}$ and $-\frac{24}{48}$

(d) $\frac{9}{72}$ and $-\frac{3}{21}$

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

(a) $-\frac{8}{13}$

(b) $-\frac{7}{26}$

(c) $-\frac{4}{13}$

(d) $\frac{16}{3}$

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) $3/11$

(c) $12/39$

(d) $-9/11$

15. Rational numbers are not closed under:

(a) Subtraction

(b) Division

(c) Addition

(d) Multiplication