ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Arithmetic **Class: 7** **Date: 20.02.21**

Duration: 40 min **Worksheet 11** **Full Marks: 15**

RATIONAL NUMBERS.

Choose the Correct options:

1. The sum of the rational numbers – 8/19 and -4/57 is _____

(a) -5/57

(b) 7/22

(c) -28/57

(d) 4/27

2. What number should be added to 3/8 to get -1/24?

(a) -5/12

(b) -7/23

(c) 31/72

(d) 2/33

3. Which of the rational numbers 4/9, -5/6, -7/-12 and 11/-24 is the smallest?

(a) 4/9

(b) -5/6

(c) -7/-12

(d) 11/-24

4. Which of the rational numbers -4/9, 5/-12, 7/-18, 2/-3 is the greatest?

(a) 7/-18

(b) -4/9

(c) 2/-3

(d) 5/-12

5. Simplify: 2/3 + -4/5 + 7/15 + -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 × 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 ÷ -4/3) is _____

(a) -3/10

(b) -7/21

(c) 4/7

(d) -7/6

13. Fill in the blanks: 5/12 ÷ (_____) = -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