



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

**CLASS 8**

**SUBJECT :ArithmeticWork sheet 1**

**Marks:15Rational Numbers**

**Date:16.1.2021**

**Answer all the following questions(1×15=15)**

1. Numbers which can be expressed in the form  $a/b$  ( $a$  &  $b$  are integers) are called \_\_\_\_\_

A) Irrational Numbers

B) Rational Numbers

C) Natural numbers

D) None of these

2. An example of a natural number is \_\_\_\_\_

A) -3

B)  $4/5$

C) 12

D) none of these

3. An example of a rational number is \_\_\_\_\_

A)  $\sqrt{2}$

B)  $\sqrt{3}/\sqrt{5}$

C)  $\sqrt{9}$

D) none of these

4.  $-10/19$  \_\_\_\_\_  $8/19$

A)  $<$

B)  $>$

C) =

D) None of these

5.  $102/103$  \_\_\_\_\_  $103/102$

A) <

B) >

C) =

D) none of these

6.  $|x| =$  \_\_\_\_\_ if  $x < 0$ ,

A)  $-x$

B)  $x$

C)  $1/x$

D) none of these

7. \_\_\_\_\_ is neither positive nor negative

A) 0

B) 5

C) 12.5

D) -0.001

8. The absolute value of 77 is

A) -77

B) 77

C) 0.77

D) none of these

9. The reciprocal of  $|1025/51|$  is

A)  $102/5$

B) 20.4

C)  $-5/102$

D)  $51/1025$

10. \_\_\_\_\_ is the additive inverse of itself

A) 1

B) -1

C) 0

D) none of these

11.  $-(-3/2) =$  \_\_\_\_\_

A)  $3/2$

B)  $-3/2$

C) 1.5

D)  $1/3$

12.  $a \times b + a \times c =$  \_\_\_\_\_

A)  $a \times (b+c)$

B)  $a \times (b-c)$

C)  $a+(b-c)$

D)  $a-(b \times c)$

13.  $a/b < c/d$  if

A)  $bd=ac$

B)  $ad > bc$

C)  $ad < bc$

D) none of these

14.  $a/b > c/d$  if

A)  $ac=bd$

B)  $ad>bc$

C)  $ad<bc$

D) none of these

15.  $1/5 - 3/10 =$  \_\_\_\_\_

A)  $-4/7$

B)  $6/5$

C)  $10/13$

D)  $-1/10$

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