



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



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

**Class: 7**  
**Worksheet 35**  
**RATIONAL NUMBERS**

**Date: 18.06.20**  
**Full Marks: 15**

**Choose the Correct options:**

1. Find  $-2\frac{1}{4} - 3\frac{7}{8}$

- (a)  $-6\frac{1}{2}$
- (b)  $1\frac{5}{8}$
- (c)  $-1\frac{5}{8}$
- (d)  $-6\frac{1}{8}$

2. The temperature in a town is  $34.1^{\circ}\text{F}$  during the day and  $-8.6^{\circ}\text{F}$  at night. Find the difference in the temperatures.

- (a)  $42.7^{\circ}\text{C}$
- (b)  $25.5^{\circ}\text{C}$
- (c)  $42.7^{\circ}\text{F}$
- (d)  $25.5^{\circ}\text{F}$

3. A group of friends are rock climbing. Mr. Wharton is 26.4 feet above the ground. Mr. Hall is directly below Mr. Wharton at 14.1 feet above the ground. How far apart are they?

- (a) 40.5 miles
- (b) 12.3 miles
- (c) 12.3 feet
- (d) 40.5 feet

4.  $\frac{3}{5} + (-\frac{1}{5}) =$

- (a)  $\frac{2}{5}$
- (b)  $-\frac{2}{5}$
- (c)  $\frac{4}{5}$
- (d)  $\frac{1}{2}$

5. What is the sign of: the product of two positive numbers?

- (a) Positive
- (b) Negative
- (c) Zero
- (d) Cannot be determined

6. What is the sign of: Two numbers with opposite signs?

- (a) Positive
- (b) Negative
- (c) Zero
- (d) Cannot be determined

7. What is the sign of: The quotient of two negative numbers?

- (a) Positive
- (b) Negative
- (c) Zero
- (d) Cannot be determined

8. Determine the product:  $-3 \times (3)$

- (a) 9
- (b) -9
- (c) 1
- (d) -1

9. Determine the product:  $-2.14 \times (5.8) =$

- (a) -12.412
- (b) 10.45
- (c) 12.412
- (d) -10.45

10. Determine the quotient:  $-22.196 \div 6.2 =$

- (a) 4.12
- (b) 3.58
- (c) -4.12
- (d) -3.58

11. Determine the product:  $\frac{2}{9} \times (-\frac{6}{11}) =$

\*Simplify your answer!

- (a)  $-\frac{12}{99}$
- (b)  $\frac{12}{99}$
- (c)  $-\frac{4}{33}$
- (d)  $\frac{4}{33}$

Q12. Determine the quotient:  $4 \frac{1}{3}$  divided by  $(-3 \frac{1}{6}) =$

Write as a mixed number, if possible.

- (a)  $-\frac{26}{19}$
- (b)  $\frac{26}{19}$
- (c) 17.19
- (d)  $-1 \frac{7}{19}$

13. What does the commutative property mean?

- (a) You can group the numbers in any order and get the same answer
- (b) You can change the order of the number and get the same answer.
- (c) The reciprocal of the numbers is the same as the number
- (d) The denominator remains the same on addition and subtraction

14. What does the associative property mean?

- (a) You can group the numbers in any order and get the same answer
- (b) You can change the order of the number and get the same answer.
- (c) The reciprocal of the numbers is the same as the number
- (d) The denominator remains the same on addition and subtraction

15. Evaluate the expression  $4 \frac{1}{6} \times -2 \frac{1}{2}$

- (a)  $10 \frac{5}{12}$
- (a)  $-10 \frac{5}{12}$
- (b)  $27 \frac{1}{2}$
- (c)  $-27 \frac{1}{2}$