

Assignment

CLASS : VIII

SUBJECT: MATHEMATICS

UNIT 1 - NUMBERS

PART - A

I. One Mark Questions

1. The number 5 is a
 - a) Natural number
 - b) Whole number
 - c) Integer
 - d) All the above
2. Rational numbers
 - a) Fractions
 - b) Decimals
 - c) Negative numbers
 - d) All the above
3. The simplest form of $\frac{125}{200}$ is
 - a) $\frac{6}{7}$
 - b) $\frac{7}{8}$
 - c) $\frac{5}{8}$
 - d) $\frac{2}{5}$
4. Which of the following is not an equivalent fraction of $\frac{8}{12}$
 - a) $\frac{2}{3}$
 - b) $\frac{16}{24}$
 - c) $\frac{32}{60}$
 - d) $\frac{24}{36}$
5. The collection of rational numbers is denoted by the letter
 - a) Q
 - b) W
 - c) Z
 - d) N
6. $\frac{1}{8} - (\frac{1}{6} - \frac{1}{4})$
 - a) $\frac{3}{24}$
 - b) $\frac{5}{24}$
 - c) $\frac{5}{12}$
 - d) $\frac{8}{9}$
7. $-\frac{18}{42}$
 - a) $\frac{3}{7}$
 - b) $-\frac{3}{7}$
 - c) $-\frac{3}{-7}$
 - d) $-\frac{6}{7}$

8. Equivalent rational number of $-\frac{4}{5}$
- a) $-\frac{5}{4}$ b) $-\frac{8}{15}$ c) $\frac{20}{25}$ d) $-\frac{32}{40}$
9. Which of the following rational number is the greatest ?
- a) $-\frac{5}{6}$ b) $-\frac{14}{17}$ c) $-\frac{51}{52}$ d) 0
10. Write the decimal form of the rational number $-\frac{18}{5}$
- a) -3.6 b) 3.6 c) 3.06 d) -3.06

PART - B

II. short answer

1. Subtract: $-\frac{8}{44}$ from $-\frac{17}{11}$.
2. Verify the closure property for addition and multiplication for the rational numbers $-\frac{5}{7}$ and $\frac{8}{9}$.
3. Is 108 a perfect square number?
4. Find the value of $\sqrt{42.25}$.
5. Find the cube root of 27000.

PART - C

III. Write in detail.

1. A student had multiplied a number by $\frac{4}{3}$ instead of dividing it by $\frac{4}{3}$ and got 70 more than the correct answer. Find the number.

PART - D

IV. Activity

Match the Following

1. Cube root of 9621	i) $(13)^2$
2. Square of $\sqrt{8}$	ii) 4
3. Cube root of 64	iii) 21
4. 13×13 can be written as	iv) 24
5. Square root of 576	v) 8

- (A) 1-iii, 2-v, 3-ii, 4-i, 5-iv
 (B) 1-iv, 2-i, 3-v, 4-ii, 5-v
 (C) 1-iii, 2-iv, 3-i, 4-ii, 5-ii
 (D) 1-i, 2-ii, 3-iii, 4-iv, 5-v