

Assignment

Subject: - Mathematics

Class: - VIII

Teacher: - Ms. Neeru

Name: _____ Class & Sec: _____ Roll No. _____ Date: 30.03.2020

Topic: Rational Numbers

1. Tick (✓) the correct answer.

(a) A number of the form $\frac{a}{b}$, $b \neq 0$, where a and b are integers is called a

(i) natural number

(ii) whole number

(iii) fraction

(iv) rational number

(b) Which of the following is not a rational number?

(i) $-\frac{1}{4}$

(ii) 0

(iii) $1\frac{3}{4}$ (iv) $-\frac{5}{0}$

(c) Which of the following is a negative rational number?

(i) $-\frac{3}{4}$

(ii) 0

(iii) $-\frac{4}{-7}$ (iv) $1\frac{3}{7}$

(d) Which of the following is a fraction?

(i) $-\frac{3}{4}$ (ii) $-1\frac{4}{7}$

(iii) 0

(iv) $\frac{7}{21}$

(e) Which of the following is a positive rational number?

(i) $-\frac{3}{91}$ (ii) $\frac{7}{-13}$ (iii) $\frac{0}{1}$ (iv) $-\frac{3}{-11}$

2. Check, whether the given number is a rational number.

(a) $-\frac{1}{4}$

(b) 1

(c) 0

(d) $-\frac{12}{3}$

3. Identify whether the given rational number is positive, negative or neither of these.

(a) $-\frac{9}{5}$ (b) $-\frac{1}{-5}$ (c) $\frac{1}{-9}$

(d) 0

(e) -1

(f) $\frac{0}{1}$

4. Fill in the blanks.

(a) All integers and fractions are numbers.

(b) The additive inverse of a rational number $\frac{-3}{5}$ is

(c) The number is neither a positive nor a negative number.

(d) The word rational arises from the term

(e) In a rational number $\frac{p}{q}$, p is called the and q is called the

Answer:

A1. a) iv b) iv c) i d) iv e) iv

A2. a, b, c, d – all yes

A3. a) Negative b) positive c) negative

d) Neither e) negative f) neither

A4.

a) Rational

b) $\frac{3}{5}$

c) Zero

d) Ratio

e) Numerator, denominator

Assignment 1 **MATH 8** **Rational Numbers**

1. Tick (✓) the correct answer.

(a) A number of the form $\frac{a}{b}$, $b \neq 0$, where a and b are integers is called a
 (i) natural number (ii) whole number
 (iii) fraction (iv) rational number

(b) Which of the following is not a rational number?
 (i) $\frac{1}{4}$ (ii) 0 (iii) $1\frac{3}{4}$ (iv) $\frac{5}{8}$

(c) Which of the following is a negative rational number?
 (i) $-\frac{3}{4}$ (ii) 0 (iii) $-\frac{4}{7}$ (iv) $1\frac{3}{7}$

(d) Which of the following is a fraction?
 (i) $-\frac{3}{4}$ (ii) $-1\frac{4}{7}$ (iii) 0 (iv) $\frac{7}{21}$

(e) Which of the following is a positive rational number?
 (i) $\frac{3}{91}$ (ii) $\frac{7}{-13}$ (iii) $\frac{0}{1}$ (iv) $-\frac{3}{-11}$

2. Check, whether the given number is a rational number.
 (a) $-\frac{1}{4}$ **Yes** (b) 1 **Yes...** (c) 0 **Yes** (d) $-\frac{12}{3}$ **Yes**

3. Identify whether the given rational number is positive, negative or neither of these.
 (a) $-\frac{9}{5}$ **Negative** (b) $-\frac{1}{5}$ **Positive** (c) $\frac{1}{-9}$ **Negative** (d) 0 **Neither of these**
 (e) -1 **Negative** (f) $\frac{0}{1}$ **Neither of these**

4. Fill in the blanks.
 (a) All integers and fractions are ... **Rational** ... numbers.
 (b) The additive inverse of a rational number $-\frac{3}{5}$ is ... **$\frac{3}{5}$** ...
 (c) The number **Zero** is neither a positive nor a negative number.
 (d) The word rational arises from the term ... **Ratio** ...
 (e) In a rational number $\frac{p}{q}$, p is called the **Numerator** and q is called the **Denominator**.