

# 7 Class Math Tuition Assignment

## Assignment – 9

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Chapter = Rational Number

Submission Date = 09 January 2022

MM = 20

**Q1.** Write each of the following rational numbers in the standard form:

- (i)  $(2/10)$
- (ii)  $(-8/36)$
- (iii)  $(4/-16)$
- (iv)  $(-15/-35)$

**Q2.** Draw the number line and represent following rational number on it:

- (i)  $(2/3)$
- (ii)  $(3/4)$
- (iii)  $(3/8)$
- (iv)  $(-5/8)$

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**Q3.** Which of the following rational numbers is greater?

- (i)  $\frac{3}{4}$ ,  $\frac{1}{2}$   
(ii)  $-\frac{3}{2}$ ,  $-\frac{3}{4}$

**Q4.** Subtract:

(i)  $\frac{-5}{6}$  from  $\frac{-7}{8}$     (ii)  $2\frac{1}{5}$  from  $-3\frac{1}{6}$

**Q5.** Find the product:

(i)  $6\frac{2}{3} \times \left(-5\frac{1}{16}\right)$     (ii)  $\left(-3\frac{1}{4}\right) \times \left(-2\frac{3}{4}\right)$

**Q6.** If the product of two rational numbers is  $-\frac{9}{16}$  and one of them is  $-\frac{4}{15}$ , find the other number

**Q7** Arrange the following rational numbers in ascending order.

(i)  $-\frac{1}{3}, \frac{-4}{3}, \frac{-2}{9}$     (ii)  $-\frac{2}{3}, \frac{4}{5}, \frac{6}{7}, -\frac{1}{6}$

**Q8.** Insert five rational numbers between:

(i)  $\frac{-2}{3}$  and  $-1$     (ii)  $-\frac{1}{2}$  and  $\frac{-3}{2}$

**Q9.** Evaluate the following:

$$\frac{-12}{-5} + \frac{7}{-3} + \frac{-5}{14} + \frac{22}{7}$$

**Q10.**

Simplify:  $\left(\frac{3}{7} \times \frac{-5}{8}\right) \div \left(\frac{1}{3} \times \frac{5}{6}\right) + \left|\frac{-1}{2} - \frac{1}{5}\right|$