



## ASSIGNMENT

Class – 7<sup>TH</sup> NTSE

Subject : MATHS

Max Marks:

Time :

**Q.1 Which rational number has to be multiplied with 64 to get the product**

$$-49\frac{3}{5} ?$$

a.  $\frac{-35}{43}$

b.  $\frac{-31}{40}$

c.  $\frac{-33}{40}$

d.  $\frac{-37}{43}$

**Q.2 Find the value of expression  $\frac{3}{5} \times \frac{3}{14} \times \frac{15}{2} \times \frac{-7}{9}$ .**

a.  $\frac{-7}{8}$

b.  $\frac{-5}{6}$

c.  $\frac{-3}{4}$

d.  $\frac{-3}{5}$

**Q.3 What is the multiplication of  $2\frac{1}{5}$  and  $5\frac{1}{2}$ ?**

a.  $2\frac{1}{5}$

b.  $12\frac{1}{10}$

c.  $\frac{5}{11}$

d.  $\frac{-5}{11}$

**Q.4 Sum of two rational numbers is  $-8$ . If one number is  $\frac{3}{4}$ , then find other number.**

a.  $\frac{-4}{35}$

b.  $\frac{-35}{4}$

c.  $\frac{35}{4}$

d.  $\frac{4}{35}$

**Q.5 From his home, Rahul walks  $\frac{6}{7}$  km towards school and then returns  $\frac{5}{6}$  km on the same way towards his home to reach a landmark. How far is he now from home?**

a.  $\frac{1}{42}$  km

b.  $\frac{1}{43}$  km

c.  $\frac{30}{42}$  km

d.  $\frac{11}{42}$  km

**Q.6 The product of two rational numbers is  $\frac{128}{45}$ . If one of the numbers is  $\frac{-7}{15}$ , then find the other rational number.**

a.  $\frac{-128}{21}$

b.  $\frac{128}{21}$

c.  $\frac{-36}{73}$

d.  $\frac{41}{70}$

**Q.7** Insert three rational numbers between  $\frac{1}{3}$  and  $\frac{4}{5}$ .

a.  $\frac{27}{60}, \frac{17}{60}, \frac{41}{60}$

b.  $\frac{27}{60}, \frac{17}{30}, \frac{41}{60}$

c.  $\frac{41}{30}, \frac{17}{30}, \frac{27}{30}$

d.  $\frac{27}{30}, \frac{17}{30}, \frac{41}{60}$

**Q.8** What should be subtracted from  $\frac{-7}{8}$  to get  $\frac{5}{12}$ ?

a.  $\frac{-31}{24}$

b.  $\frac{31}{24}$

c.  $\frac{35}{24}$

d.  $\frac{-35}{24}$

**Q.9** What should be added to  $\left(\frac{3}{4} + \frac{2}{5}\right)$  to get  $\frac{-8}{15}$ ?

**Q.10** Divide the sum of  $\frac{-2}{5}$  and  $\frac{9}{-10}$  by the sum of  $\frac{3}{7}$  and  $\frac{4}{5}$ .

a.  $\frac{-35}{86}$

b.  $\frac{-91}{86}$

c.  $\frac{47}{85}$

d.  $\frac{-73}{85}$

**Q.11** Find the product of  $2\frac{1}{5}$  and the sum of  $\frac{6}{7}$  and  $1\frac{1}{7}$ .

a.  $\frac{23}{35}$

b.  $\frac{18}{35}$

c.  $2\frac{1}{14}$

d.  $4\frac{2}{5}$

**Q.12** Find  $(x + y) \div (x - y)$ , where  $x = \frac{3}{4}$  and  $y = \frac{-7}{4}$ .

a.  $\frac{-2}{5}$

b.  $\frac{2}{5}$

c.  $\frac{-3}{5}$

d.  $\frac{-3}{4}$

**Q.13** A bus is moving at an average speed of  $4\frac{1}{9}$  km/hr. How much distance will it cover in 8 hours.

a.  $35\frac{8}{9}$  km

b.  $32\frac{8}{9}$  km

c.  $\frac{295}{9}$  km

d.  $\frac{298}{9}$  km

**Q.14** Find the product of  $\frac{3}{7}$  and reciprocal of  $\frac{2}{7} + \frac{1}{14}$ .

a.  $\frac{6}{5}$

b.  $\frac{15}{98}$

c.  $\frac{-6}{5}$

d.  $\frac{5}{14}$

**Q.15 Find the integer x such that  $\frac{3}{8}$  and  $\frac{x}{-24}$  are equivalent fraction.**

a. -19

b. -9

c. 6

d. 9