Holiday Homework 2021-22
Weekly Learning Package Number - 2
Answers:-
Class – VIII

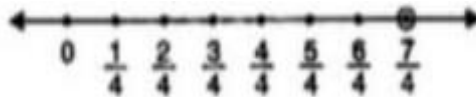**Subject Teachers**:Mathematics:-Ms.Neeru Behl
Punjabi:-Mrs. Manjeet Kaur

Mathematics-Answer:-

CH-1
RATIONAL NUMBERS

1)   Represent$\frac{7}{4}$ on the number line.

Ans:- $\frac{7}{4} = 1\frac{3}{4}$

2)   Write five rational numbers greater than -2.
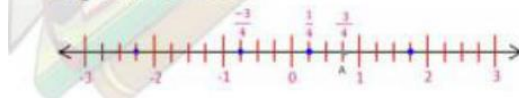
Ans:- Five rational numbers greater than -2 are:-

$$\frac{-3}{2}\ ,\ -1,\frac{-1}{2}\ ,0,\frac{1}{2}$$

3)   Represent$\frac{3}{4}$ on the number line.

Ans:- Divide the number line into 4 equal parts starting

from $\frac{0}{4},\frac{1}{4},\ \dots\dots,\frac{1}{4}$ on the right side of number line. Bold

mark $\frac{3}{4}$ as asked in the question and mark it as any alphabet like A.

4) **Arrange in ascending order**

$$\frac{2}{5}, \frac{1}{3}, \frac{-3}{4}, \frac{1}{6}$$

Ans:- LCM of 5,3,4, and 6 is 60.

$$So, \frac{(24, 20, -45, 10)}{60}$$

Ascending Order:-

$$\frac{-45}{60}, \frac{10}{60}, \frac{20}{60}, \frac{24}{60}$$

5) **Which is greater?**

a. $\frac{9}{-13}$ *and* $\frac{7}{-12}$

Ans:- $\frac{9\times(-1)}{(-13\times(-1))} = (\frac{-9}{13})$ **and** $\frac{(7\times(-1))}{(-12\times(-1))} = (\frac{-7}{12})$

LCM of 13 and 12 is 156

$$\frac{-108,-91}{156}$$

$$\frac{-108}{156} < \frac{-91}{156}$$

$$Hence \; \frac{-7}{12} \; is \; greater$$

b. $\frac{-8}{9}$ *and* $\frac{-9}{10}$

Ans:- LCM of 9 and 10 is 90

$$\frac{-80,-81}{90}$$

$$\frac{-81}{90} < \frac{-80}{90}$$

$$Hence \; \frac{-8}{9} \; is \; greater$$

6)   Using appropriate properties find:-

$$\frac{2}{5} \times \left(-\frac{3}{7}\right) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$$

Ans:-

$$\frac{2}{5} \times \left(-\frac{3}{7}\right) - \frac{1}{6} \times \frac{3}{2} + \frac{2}{5} \times \frac{1}{14} \; \dots (By \; Commutativity)$$

$$\frac{2}{5} \times \left(-\frac{3}{7}\right) + \frac{2}{5} \times \frac{1}{14} - \frac{1}{6} \times \frac{3}{2} \quad \dots (By\ Associativity)$$

$$\frac{2}{5} \times \{\left(-\frac{3}{7}\right) + \frac{1}{14}\} - \frac{1}{6} \times \frac{3}{2} \quad \dots (By\ Distributivity)$$

$$\frac{2}{5} \times \{\left(\frac{(-6)+1}{14}\right)\} - \frac{1}{6} \times \frac{3}{2}$$

$$\frac{2}{5} \times \left\{\frac{-5}{14}\right\} - \frac{1}{6} \times \frac{3}{2} = \frac{-1}{7} - \frac{1}{4}$$

$$= \frac{-4-7}{28} = \frac{-11}{28}$$

Punjabi-Answer:-

ਹੇਠ ਲਿਖਿਆਂ ਦੇ ਵਿਰੋਧੀ ਸ਼ਬਦ ਲਿਖੋ:

1. ਖੋਟਾ

2. ਪੇਂਡੂ

3. ਖਰਚ

4. ਹੱਸਮੁੱਖ

5. ਹਨੇਰਾ

6. ਪਰਾਇਆ

7.   ਨਕਲੀ

8.   ਖਾਸ

9.   ਕੌੜਾ

10. ਨਿਮਰਤਾ

Stay Home, Stay Safe, Be Healthy, Be Happy