

Worksheet – Rational Number

Grade – 7

Solve the Problems

Solve the following:

1) Add the following Rational Number:

- a) $19/20 + 40/30 + 17/45$
- b) $12/1331 + 17/121$
- c) $16/14 + 15/24 + 8/18$
- d) $10/17 + 8/34 + 9/51$
- e) $1/10 + (8/10 + 2/5)$

2.) Verify the following

- a) $18/20 + (17/18 + 17/36) = (18/20 + 17/18) + 17/36$
- b) $10/121 + 18/1331 = 18/1331 + 10/121$
- c) $(10/20 \times 17/20) \times 18/60 = 10/20 \times (17/20 \times 18/60)$
- d) $10/20 \times 70/140 = 70/140 \times 10/20$
- e) $100/441 \times (331/21 + 221/21) = (100/441 \times 331/21) + (100/441 \times 221/21)$

(3) The product of two rational numbers is $441/21$. If one of the number is 21, Find the other.

(4) Which number should be multiplied by $-11/23$ to obtain the product $65/69$?

(5) Which is greater $7/8$ or $11/121$?

6) Subtract the sum of $-13/17$ and $11/51$ from the sum of $23/17$ and $11/34$.

7) Convert the following decimal number into rational number:

i) 0.04

ii) 13.20

iii) 31.100

8) Write the following rational number in ascending order – $12/7$, $8/49$, $13/21$, $5/70$