MATHEMATICS UNIT: RATIONAL NUMBERS CLASS : 8

Name:

1) 5 + 0 = 5

∴ Additive identity =

2) $\frac{1}{3}$ x 1 = $\frac{1}{3}$

∴ Multiplicative identity =

3) Additive inverse of 5 is -5

Additive inverse of $-\frac{3}{7}$ is -----

4) Multiplicative inverse of 4/7 is 7/4

Multiplicative inverse of 5/9 is ------

5) a xb = bx a ------ Commutatative Property of multiplication

(a +b) + c = a + (b + c) -----Associative property of addition

a (b+ c) = a.b + a.c ---------Distributive property

(3/5 x 2/7) x 4/5 = 3/5 x (2/7 x 4/5) Name the Property—

6) Five rational numbers greater than -3 are -2,-1,0,1,2

Five rational numbers greater than -2 are , , , ,

7) Find 3 rational numbers between 1/3 and 3/5

LCM of 3 and 5 is 15

$\frac{1}{3} \times \frac{5}{5} = \frac{5}{15}$

$\frac{3}{5} \times \frac{3}{3} = \frac{9}{15}$

∴ 3 rational numbers between 1/3 and 3/5 are 6/15, 7/15, 8/15

8) Find 5 rational numbers between 3/7 and 5/2

LCM of 7 and 2 is

$\frac{3}{7} \times \frac{\quad}{\quad} = \frac{\quad}{\quad}$

$\frac{5}{2} \times \frac{\quad}{\quad} = \frac{\quad}{\quad}$

∴ 5 rational numbers between 3/7 and 5/2 are , , , ,