

Name: \_\_\_\_\_

1)  $5 + 0 = 5$

$\therefore$  **Additive identity** =

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

$\therefore$  **Multiplicative identity** =

3) Additive inverse of 5 is -5

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

4) Multiplicative inverse of  $\frac{4}{7}$  is  $\frac{7}{4}$

**Multiplicative inverse of  $\frac{5}{9}$  is -----**

5)  $a \times b = b \times a$  ----- Commutative Property of multiplication

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

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

**$(\frac{3}{5} \times \frac{2}{7}) \times \frac{4}{5} = \frac{3}{5} \times (\frac{2}{7} \times \frac{4}{5})$  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  $\frac{1}{3}$  and  $\frac{3}{5}$

LCM of 3 and 5 is 15

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

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

$\therefore$  3 rational numbers between  $\frac{1}{3}$  and  $\frac{3}{5}$  are  $\frac{6}{15}$ ,  $\frac{7}{15}$ ,  $\frac{8}{15}$

8) Find 5 rational numbers between  $\frac{3}{7}$  and  $\frac{5}{2}$

LCM of 7 and 2 is

$$\frac{3}{7} \times \text{---} = \text{---}$$

$$\frac{5}{2} \times \text{---} = \text{---}$$

$\therefore$  5 rational numbers between  $\frac{3}{7}$  and  $\frac{5}{2}$  are , , , ,