

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

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

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

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

 $\therefore$  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

$$\frac{3}{7} \times \frac{2}{2} = \frac{6}{14}$$

$$\frac{5}{2} \times \frac{7}{7} = \frac{35}{14}$$

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