C.W)

Respectiles of Rational Numbers

1 Closure Sproperty

Is a and b are rational numbers then (a+b), (a-b), and (axb) are also rational numbers. So rational numbers (dxb) are also rational numbers, restaurant multiplication.

ef b=0, them (a:b) is also a gational number.

Examples:

$$\frac{3}{4} + \left(\frac{-2}{5}\right)$$

$$\frac{15+(-8)}{20} = \frac{15-(-8)}{-20}$$

$$=\frac{7}{20}$$

$$\frac{7}{2} = \frac{3}{4} \times \frac{5}{(-2)}$$

$$= \frac{3}{4} \times \frac{5}{(-2)}$$

$$= \frac{15}{8-8}$$

$$\frac{1}{2}$$
 \div 0

$$= \frac{1}{2} \times \frac{1}{0} = \begin{bmatrix} 2 \\ 0 \end{bmatrix} = \text{ Not observed}$$

