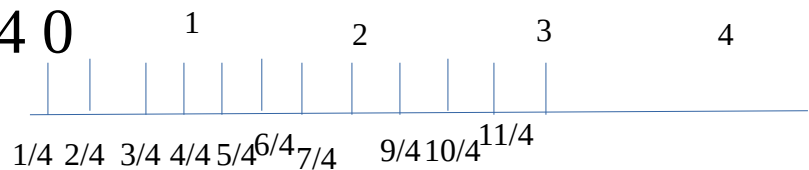
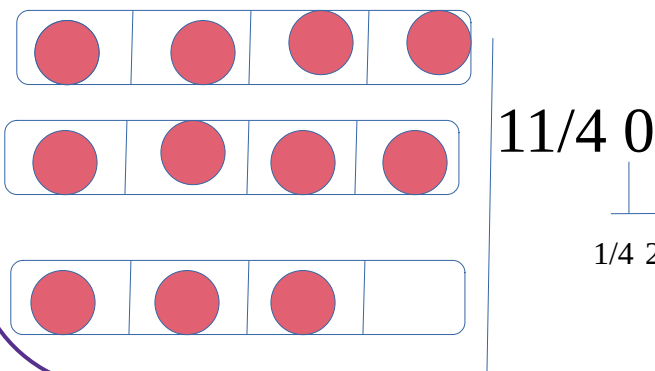
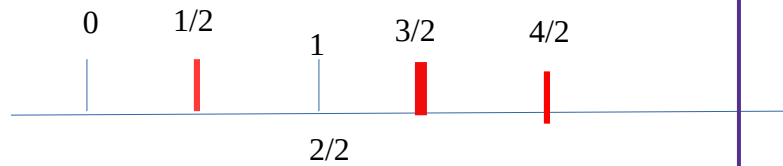
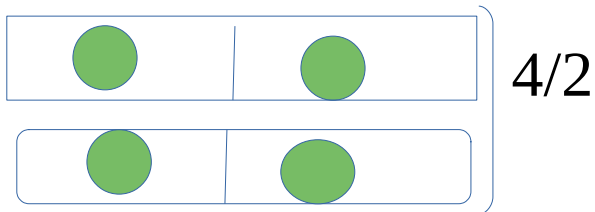


NUMEROS RACIONALES

Enviar los trabajos

joseignacioa261@gmail.com

Dividir y graficar $4/2$ y $7/6$



Hacer las siguientes divisiones y representar el resultado en la recta.

a. $5/7 =$ b. $4/7 =$ c. $12/8 =$

$$\begin{array}{r} 50 \overline{) 7} \\ 49 \quad 0,7 \\ \hline 1 \end{array}$$

$$\begin{array}{r} c.12 \quad | \quad 8 \\ - 8 \quad | \quad 1,5 \\ \hline 40 \\ 0 \end{array}$$



$$\begin{array}{r} 4/7 \\ 40 \quad | \quad 7 \\ 35 \quad | \quad 0,5 \\ 5 \end{array}$$

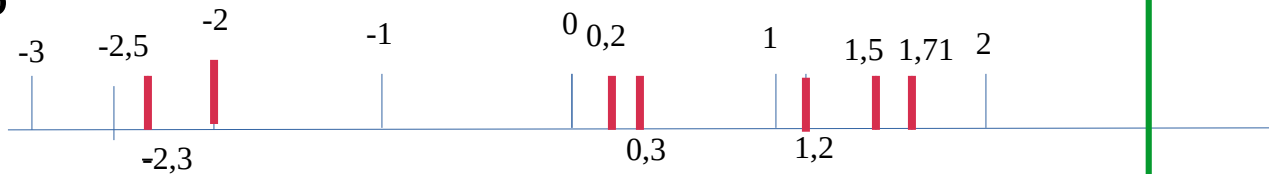
Ordenar los numeros de menor a mayor y representarlos en la recta númerica.

$$\frac{1}{3}, \sqrt{3}, \frac{9}{6}, -\frac{7}{3}, \frac{5}{4}, -2, \frac{2}{7}$$

$$10 \quad | \quad 3 \quad ; \quad 0,3; 1,71; 1,5; -2,3; 1,2; -2; 0,2$$

ORDENANDO LOS NUMEROS

$$\begin{array}{r} 9 \quad | \quad 6 \\ 30 \quad | \quad 1,5 \\ 0 \end{array}$$



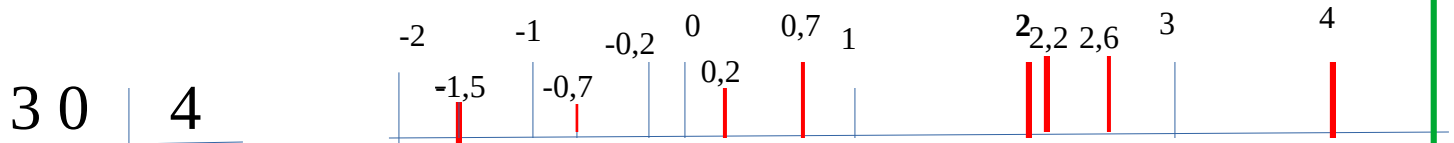
$$\begin{array}{r} -7 \quad | \quad 3 \\ 10 \quad | \quad -2,3 \end{array}$$

ordenados de menor a mayor
-2,3; -2; 0,2; 0,3; 1,2; 1,5; 1,71

$$\begin{array}{r} 5 \overline{) 4} \quad 20 \overline{) 7} \\ 10 \quad 1,2 \quad 6 \quad 0,2 \\ 2 \end{array}$$

Dividir, representar gráficamente en la recta numérica y ordenar de menor a mayor

$$\frac{3}{4}, \frac{8}{3}; 2; -\frac{1}{5}; -\frac{3}{4}; 4; \frac{2}{9}, \sqrt{5} = 2,2$$

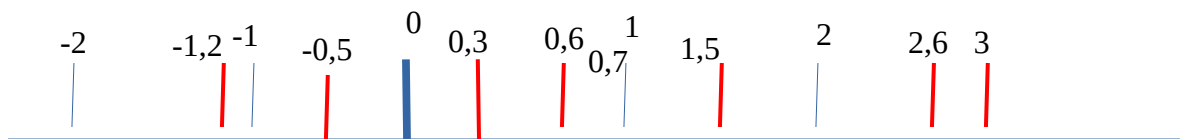


ORDENANDO de menor a mayor

-1,5; -0,7; 0,2 ; 0,7 ; 2; 2,2 ; 2,6 ; 4

$$\begin{array}{r} -10 \overline{) 5} \quad -30 \overline{) 4} \quad 20 \overline{) 9} \\ 0 \quad -0,2 \quad 2 \quad -0,7 \quad 2 \quad 0,2 \end{array}$$

Representar en la recta numérica ordena de mayor a menor $-\frac{5}{4}, \sqrt{7}, \frac{2}{3}, \frac{3}{9}, 3, \frac{6}{4}; -0,5$



las líneas rojas nos indican el orden.

3; 2,6; 1,5; 0,6; 0,3; -0,5; -1,2;

$-5/4 = -1,2$; Raiz 7 = 2,6; $2/3 = 0,6$; 0,3; 3; 1,5

$20/3 = 0,6$; $3/9 = 0,3$; $6/4 = 1,5$:

$-5 \frac{4}{10} = -1,2$; $20 \frac{3}{2} = 0,6$; $30 \frac{9}{3} = 0,3$; $6 \frac{4}{20} = 1,5$
2

NUMEROS FRACIONARIOS

ADICIÓN Ejercicos Resueltos.

$$\frac{1}{2} + \frac{2}{3} = \frac{3}{6} + \frac{4}{6} = \frac{7}{6}$$

Adicionar: $\frac{4}{5} + \frac{2}{9} = \frac{36+10}{45} = \frac{46}{45}$

$$\frac{8}{9} - \frac{3}{4} = \frac{32}{36} - \frac{27}{36} = \frac{5}{36}$$

$$\frac{2}{5} - \frac{3}{6} = \frac{12}{30} - \frac{15}{30} = -\frac{3}{30}$$

Actividad: Adicionar y Restar: a) $2/5 + 1/7 =$

b) $8/9 + 4/2 =$ c) $6/4 - 5/3 =$ d) $7/9 - 2/4 =$

$$\frac{1}{2} + \frac{2}{3} = \frac{3+4}{6}$$

7/6

Adicionar $\frac{4}{5} + \frac{3}{6} =$

$$\frac{4}{5} + \frac{3}{6} = \frac{24+15}{30} = \frac{39}{30}$$

$$\frac{6}{4} - \frac{5}{3} = \frac{18-20}{12} = -\frac{2}{12}$$

$$\frac{8}{9} + \frac{4}{2} = \frac{16-36}{18} = -\frac{20}{18}$$

MULTIPLICACIÓN DE FRACCIONARIOS.

EJERCICIOS RESUELTOS

MULTIPLICAR.

$$\frac{12}{4} * \frac{4}{9} = \frac{48}{36}$$

b) $\frac{3}{7} * \frac{15}{2} = \frac{45}{14}$

c) $\frac{2}{9} * \frac{-3}{7} = \frac{-6}{63}$

$$\begin{array}{r} \underline{4} * \underline{2} = \underline{8} \\ 10 \quad 8 \quad 80 \end{array}$$

DIVIDIR

$$\begin{array}{r} \underline{6} = \underline{36} \\ \underline{2} \quad \underline{12} \\ 9 \end{array}$$

$$\begin{array}{r} \underline{10} \\ \underline{5} = \underline{30} \\ \underline{4} \quad \underline{20} \\ 3 \end{array}$$

$$\begin{array}{r} \underline{2} \\ \underline{7} = \underline{16} \quad \underline{2} * \underline{9} \\ \underline{9} \quad \underline{63} \quad \underline{7} \quad \underline{8} \\ 8 \end{array}$$

$$\begin{array}{r} 1.) \text{ Multiplicar } \underline{4} * \underline{11} = \underline{44} \\ \quad \quad \quad \underline{5} \quad \underline{2} \quad \underline{10} \\ \quad \quad \quad \underline{15} * \underline{9} = \underline{135} \\ \quad \quad \quad \underline{3} \quad \underline{2} \quad \underline{6} \end{array}$$

2.) dividir:

$$\begin{array}{r} \underline{8} \\ \underline{7} = \underline{72} \\ \underline{5} \quad \underline{35} \\ 9 \end{array}$$

14

6 = 56

8 48

4

Adicionar :

1) $2/9 + \sqrt{8} + 3 + 0,57 + 6,25 =$ 0,2

0,2 + 2,8 + 3 + 0,57 + 6,25 2,8

20 9 3

2 0,2 0,57

) Adicionar: 6,25

12,82

$3/5 + 0,11 + \sqrt{20} + 0,47 + 2,6 =$

0,6 + 0,11 + 4,4 + 0,47 + 2,6 = 0,6

30 5 0,11

0 0,6 4,4

0,47

2,6

83,18

$$162,3 * 18,5 \quad 162,3 \quad \text{multiplicar; } 45,8 * 6,92$$

$$\begin{array}{r} 162,3 \\ \underline{18,5} \end{array}$$

$$6115$$

$$12984$$

$$1623$$

$$\underline{2982,55}$$

$$7,12 * 0,32$$

$$45,80$$

$$6,92$$

$$\underline{8060}$$

$$41220$$

$$3480$$

$$\underline{76,8260}$$

$$9823$$

$$\underline{545}$$

DIVIDIR:

$$254,63 / 0,328$$

$$\begin{array}{r|l} 254630 & 328 \end{array}$$

$$2503 \quad \underline{776,1}$$

$$2030$$

$$0620$$

$$292$$

ADICION DE FRACCIONARIOS.

EJERCICIOS RESUELTOS

$$\frac{4}{7} + \frac{5}{6} = \frac{24}{42} + \frac{35}{42} = \frac{59}{42}$$

$$2) \frac{1}{3} + \frac{10}{4} = \frac{4}{12} + \frac{30}{12} = \frac{34}{12}$$

$$3) \frac{2}{9} - \frac{5}{3} = \frac{6 - 45}{27}$$

-39

27

$$4) \frac{8}{3} - \frac{6}{7} = \frac{56 - 18}{21} = \frac{38}{21}$$

$$5) \frac{10}{7} - \frac{8}{2} = \frac{20 - 56}{14} = \frac{36}{14}$$

MULTIPLICACION

$$6) \frac{5}{7} * \frac{2}{5} = \frac{10}{35}$$

$$7) \frac{3}{8} * \frac{-4}{3} = \frac{-12}{24}$$

$$8) \frac{9}{6} * \frac{10}{2} = \frac{90}{12}$$

DIVIDIR:

7

$$\frac{6}{2} = \frac{63}{12}$$

2 12

9

6

$$\frac{5}{11} = \frac{12}{55}$$

11 55

2

EJERCICIOS RESUELTOS

$$1) \frac{5}{8} + \frac{8}{3} = \frac{15 + 64}{24} = \frac{79}{24}$$

$$2) \frac{8}{5} - \frac{2}{4} = \frac{32 - 10}{20} = \frac{22}{20}$$

$$3) \frac{12}{2} * \frac{1}{4} = \frac{12}{8}$$

$$4) \frac{13}{3} * \frac{2}{7} = \frac{26}{21}$$

$$5) \frac{3}{5} = \frac{18}{20}$$
$$\frac{4}{6}$$

POTENCIACIÓN.

$$a) (3)^4 = 3*3*3*3 = 81$$

$$b) \left(\frac{1}{2}\right)^3 = \frac{1}{2} * \frac{1}{2} * \frac{1}{2} = \frac{1}{8}$$

$$c) (-2)^5 = -2 * -2 * -2 * -2 * -2 = -32$$

$$d) 4^{-3} = \frac{1}{4^3} = \frac{1}{4} * \frac{1}{4} * \frac{1}{4} = \frac{1}{64}$$

$$e) 2^5 * 2^2 = 2^{5+2} = 2^7$$

$$f) 3^{-4} = 1/3^4 = 1/3 * 1/3 * 1/3 * 1/3 = 1/81$$

$$g) 4^6 * 4^2 = 4^{6+2} = 4^8$$

GUIA #1 NOMBRE _____

TALLER DE POTENCIACION

Obtener la potencia de:

$$a) 5^3 = 5 * 5 * 5 = 125$$

$$b) 6^{-4} = 1/6^4 = 1/6 * 1/6 * 1/6 * 1/6 = 1/1296$$

$$c) 3^{-5} = 1/3^5 = 1/3 * 1/3 * 1/3 * 1/3 * 1/3 = 1/243$$

$$d) 2^5 * 2^2 = 2^{5+2} = 2^7$$

$$e) 7^{-3} = 1/7^3 = 1/7 * 1/7 * 1/7 = 1/343$$

$$f) -8^3 = -8 * -8 * -8 = -512$$

$$g) (2/5)^3 = 2/5 * 2/5 * 2/5 = 8/125$$

$$h) (3/2)^4 = 3/2 * 3/2 * 3/2 * 3/2 = 81/16 \quad R$$

$$i) 5^{-4} = 1/5^4 = 1/5 * 1/5 * 1/5 * 1/5 = 1/625$$

$$j) 4^{-4} = 1/4^4 = 1/4 * 1/4 * 1/4 * 1/4 = 1/256$$

$$k) (1/2)^6 = 1/2 * 1/2 * 1/2 * 1/2 * 1/2 * 1/2 = 1/64$$

$$l) 2^{-5} = 1/2^5 = 1/2 * 1/2 * 1/2 * 1/2 * 1/2 = 1/32$$

$$M) 1/7^{-4} = 1/7^4 = 1/7 * 1/7 * 1/7 * 1/7 = 1/2401$$

$$N) 6^3 * 6^2 = 6^5 = 6 * 6 * 6 * 6 * 6 = 7776$$

CONTINUACIÓN

SOLUCIONAR Y ENVIAR

1. Dividir y Representar en la recta numerica.

a) $4/6 =$ b) $12/5 =$ c) $9/8 =$ d) $2/9 =$
e) $5/7 =$ f) $3/8 =$

2. Dividir la Serie de números representarlas en la recta numérica y ordenarlos de mayor a menor.

a) $7/8$; $2/4$; $\sqrt{8}$; $-2/3$; $0,7$; $-3/5$
b) $10/3$; $-2/7$; 5 ; $-1/9$; $9/5$; -2 .
c) $-4/7$; 3 ; $\sqrt{2}$; $-3/4$; $2/6$; $-3/5$.
d) -4 ; $5/8$; $3/7$; $1/4$; $-2/5$; -2 ; $6/4$.
e) $3/7$; $-2/4$; -2 ; $5/3$; $-1/2$; $2/7$.

MULTIPLICAR LOS FRACCIONARIOS.

a) $1/2 * 7/5 =$ b) $2/3 * 4/7 =$ c) $3/8 * 2/6 =$
d) $-4/3 * 2/7 =$ e) $6/2 * 4/7 =$ f) $10/8 * 2/5 = .$

DIVIDIR LOS SIGUIENTES FRACCIONARIOS.

$$\text{a) } \frac{4}{5} \div \frac{2}{3} = \quad \text{b) } \frac{8}{9} \div \frac{3}{4} = \quad \text{c) } \frac{7}{3} \div \frac{4}{9} = \quad \text{d) } \frac{6}{5} \div \frac{2}{4} = \quad \text{e) } \frac{1}{8} \div \frac{4}{9}$$

ADICIONAR.

$$\text{a) } \frac{9}{5} + \frac{2}{4} = \quad \text{b) } \frac{1}{5} + \frac{3}{7} = \quad \text{c) } \frac{7}{2} - \frac{1}{6} =$$
$$\text{d) } \frac{2}{5} - \frac{4}{9} = \quad \text{e) } \frac{6}{8} - \frac{3}{7} =$$

MULTIPLICAR:

$$\begin{array}{ccccc} 0,35 & 25,3 & 124,36 & 0,98 & 3,25 \\ \hline 2,27 & 0,7 & 8,25 & 7,23 & 0,7 \end{array}$$