



### GUÍA DE EJERCICIOS SEMANA 4

Nombre: \_\_\_\_\_

1° \_\_\_\_\_

06/04/2020

**Observación:** RESUELVE LOS SIGUIENTES EJERCICIOS APLICANDO LO QUE APARECE EN EL PPT DE FRACCIONES. TAMBIÉN A MEDIDA EN FORMA PARALELA RESOLVER LAS PÁGINAS DE LA 6 A LA 13, DEL CUADERNILLO DE EJERCICIOS.

### NÚMEROS RACIONALES

$$1) \left( \frac{19}{16} - \frac{4}{16} \right) - \frac{3}{16}$$

Sol: 3/4

$$2) \frac{7}{6} - \left( \frac{5}{6} - \frac{1}{6} \right) =$$

Sol: 1/2

$$7 - \left( 4 - \frac{11}{19} \right) =$$

Sol: 68/19

$$\frac{15}{3} - \frac{4}{9} - \frac{1}{6} + \frac{11}{18} - \frac{1}{36} + 2 =$$

Sol: 251/36

$$3 - \frac{11}{12} - \frac{3}{4} - \frac{1}{6} =$$

Sol: 7/6

$$\left( \frac{77}{6} - \left( 4 - \frac{7}{3} \right) \right) - \frac{1}{2} =$$

Sol: 32/3

$$2 \cdot \frac{1}{2} =$$

Sol: 1

$$5 \cdot \frac{3}{10} =$$

Sol: 3/2

$$\frac{3}{4} \cdot 4 =$$

Sol: 3



$$48:72=$$

Sol:  $\frac{2}{3}$

$$\frac{11}{12} \cdot \frac{6}{55} =$$

Sol:  $\frac{1}{10}$

$$\frac{3}{5} \cdot \frac{15}{45} =$$

Sol:  $\frac{1}{5}$

$$\frac{8}{15} : \frac{4}{5} =$$

Sol:  $\frac{2}{3}$

$$\left(\frac{1}{2}\right)^2 =$$

Sol:  $\frac{1}{4}$

$$\left(\frac{4}{5}\right)^2 =$$

Sol:  $\frac{16}{25}$

$$\frac{2}{3} : 5 =$$

Sol:  $\frac{2}{15}$

$$2 : \frac{3}{5} =$$

Sol:  $\frac{10}{3}$

$$0 : \frac{1}{2} =$$

Sol: 0

$$\frac{3}{7} \cdot \left(\frac{4}{5} - \frac{1}{2}\right) =$$

Sol:  $\frac{9}{70}$

$$\frac{7}{5} \cdot \left(\frac{3}{10} - \frac{1}{15}\right) =$$

Sol:  $\frac{49}{150}$

$$\left(\frac{1}{2} - \frac{1}{3} + \frac{1}{4} - \frac{1}{5} + \frac{1}{6}\right) \cdot \frac{1}{4} =$$

Sol:  $\frac{23}{240}$



$$\frac{1}{2} \cdot \left( \frac{1}{2} - \frac{1}{5} \right) + \frac{1}{3} \left( \frac{1}{3} - \frac{1}{6} \right) - \frac{1}{4} \left( \frac{1}{4} - \frac{1}{8} \right) =$$

Sol: 251/1440

$$4 \cdot \frac{1}{8} - 5 \cdot \frac{1}{25} - 10 \cdot \frac{1}{100} - 100 \cdot \frac{1}{1000} =$$

Sol: 1/10

$$\left( \frac{1}{2} + \frac{1}{3} \right) \left( \frac{1}{3} + \frac{1}{4} \right) \left( \frac{1}{4} + \frac{1}{5} \right) =$$

Sol: 7/32

$$\left( 2 - \frac{1}{2} \right) \left( 3 - \frac{1}{3} \right) \left( 4 - \frac{1}{4} \right) =$$

Sol: 15

$$\left( \frac{3}{4} \cdot \frac{1}{4} \right) \cdot 4 =$$

Sol: 3/4

$$\left( \frac{2}{5} \cdot \frac{3}{10} \right) \cdot 5 =$$

Sol: 3/5

$$\left( \frac{3}{4} \cdot \frac{1}{4} \right) : 4 =$$

Sol: 3/64

$$\left( \frac{4}{5} \cdot \frac{2}{3} \right) : \frac{5}{8} =$$

Sol: 64/75

$$\left( \frac{5}{8} + \frac{15}{4} \right) : 5 =$$

Sol: 7/8

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

Sol: 7/10

$$\frac{3}{4} - 1 =$$

Sol: -1/4

$$2 - \frac{1}{2} =$$

Sol: 3/2



$$\frac{-1}{2} - \frac{3}{4} =$$

Sol:  $-5/4$

$$\frac{2}{3} - \left(\frac{1}{2} - \frac{1}{3}\right) + \left(\frac{3}{2} - \frac{1}{6}\right) =$$

Sol:  $11/6$

$$\frac{-7}{3} - \frac{2}{5} =$$

Sol:  $41/15$

$$5 \cdot \left(\frac{3}{4} - \frac{1}{2}\right) =$$

Sol:  $5/4$

$$\frac{-3}{5} \cdot \left(5 - \frac{2}{3}\right) =$$

Sol:  $-13/5$

$$\frac{2}{3} + \frac{2}{3} \cdot (-7) =$$

Sol:  $-4$

$$(-24) \cdot \frac{1}{8} - 4 =$$

Sol:  $-7$

$$-15 - 36 \cdot \left(-\frac{4}{9}\right) =$$

Sol:  $1$

$$\frac{-1 + \frac{1}{2} \cdot \left(-\frac{4}{3}\right)}{\frac{1}{3} - \frac{2}{3} : 7} =$$

Sol:  $-7$

$$-2 + \frac{3}{4} : \left(-\frac{1}{2}\right) =$$

Sol:  $-7/2$



$$\frac{1}{2} + \left(-\frac{3}{4}\right) : 6 =$$

Sol: 3/8

$$\frac{5}{\frac{2}{3}} =$$

Sol: 15/2

$$\frac{5}{\frac{2}{3}} =$$

Sol: 5/6

$$\left(\frac{3}{4} : 2\right) \cdot 8 =$$

Sol: 3

$$\left(2 : \frac{3}{4}\right) \cdot 6 =$$

Sol: 16

$$2 \cdot \left(\frac{3}{4} : 6\right) =$$

Sol: 1/4

$$\left(2 : \frac{4}{5}\right) \cdot \frac{2}{5} =$$

Sol: 1

$$4 \cdot \frac{2}{3} - 4 : 6 =$$

Sol: 2

$$4 : \frac{3}{8} - \frac{5}{3} : 10 =$$

Sol: 21/2

$$\frac{4}{5} : \left[\left(\frac{5}{8} - \frac{1}{3}\right) \cdot 12\right] =$$

Sol: 8/35

$$\left(+\frac{1}{3}\right)(-3) =$$

Sol: -1

$$\left(-\frac{2}{5}\right)(-5) =$$

Sol: 2



$$0 \cdot \left(-\frac{1}{18}\right) =$$

Sol: 0

$$\left(-\frac{3}{4}\right) : \left(\frac{6}{-5}\right) =$$

Sol: 5/8

$$\left(\frac{-4}{-3}\right) : \left(\frac{-8}{-15}\right) =$$

Sol: 5/2

$$(-12) : \left(\frac{4}{-9}\right) =$$

Sol: 27

$$\left(\frac{14}{-5}\right) : (-21) =$$

Sol: 2/15

$$\frac{-3/-8}{-6} =$$

Sol: -1/16

$$\frac{-15}{3/-4} =$$

Sol: 20

$$\frac{-3/8}{1/-2} =$$

Sol: 3/4

$$\frac{-8/21}{-72/49} =$$

Sol: 7/27

$$3 - 3 \cdot \left(-\frac{5}{6} : \frac{1}{2}\right) =$$

Sol: 8

$$(-20) : 6 + 8 : 6 =$$

Sol: -2



$$\left[ \left( -\frac{2}{5} \right) : (-4) \right] \cdot \left[ \left( \frac{5}{-3} \right) : \left( \frac{1}{-6} \right) \right] =$$

Sol: 1

$$\left[ \left( \frac{-4}{15} \right) : \frac{5}{8} \right] : \left[ \left( \frac{1}{-6} \right) \right] =$$

Sol: 1

$$\left[ \left( -\frac{3}{4} \right) : \left( \frac{5}{6} \right) \right] : \left( -\frac{9}{10} \right) =$$

Sol: 1

$$\frac{49}{5} : 7 + \left( 3 - \frac{11}{7} \right) : \left( \frac{14}{49} + \frac{3}{7} : \frac{7}{12} \right) =$$

Sol: 14/5

$$\left( \frac{3}{10} : \frac{6}{5} \right) : \frac{2}{3} =$$

Sol: 3/8

$$3 : \frac{1}{3} + \frac{1}{3} : 3 - \frac{1}{3} \cdot 3 - \left( \frac{1}{3} \right)^3 =$$

Sol: 218/27

$$3 : \left( 9 : \frac{4}{3} \right) + (3 : 9) : \frac{4}{3} =$$

Sol: 25/36

$$\left( \frac{1}{2} : \left( \frac{1}{3} : \frac{1}{4} \right) \right) : \frac{1}{5} + \frac{1}{2} : \left( \frac{1}{3} : \left( \frac{1}{4} : \frac{1}{5} \right) \right) + \frac{1}{2} : \left( \left( \frac{1}{3} : \frac{1}{4} \right) : \frac{1}{5} \right) =$$

Sol: 153/40

$$(3 - 4 : 6 + 2 : 4) : 15 + \left( \frac{4}{3} : \frac{2}{3} \right)^2 =$$

Sol: 377/90

$$\left( \left( \frac{1}{5} - \frac{1}{10} \right) \cdot \left( \frac{1}{4} - \frac{1}{5} \right) \right)^2 =$$

Sol: 1/40000

$$\left( \frac{1}{3} : \frac{4}{7} - \frac{1}{6} + 3 : 18 \right) \cdot \left( 45 : \frac{1}{5} - \frac{1}{3} : \frac{1}{100} \right) =$$

Sol: 4025/36



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

Sol: 11/7

$$\frac{3 + \frac{1}{2} \cdot \frac{4}{3}}{\frac{7}{3} - \frac{5}{6}} =$$

Sol: 22/9

$$\frac{\frac{3}{5} - \frac{1}{4}}{\frac{4}{3} \cdot \frac{2}{9} - \frac{9}{7}} =$$

Sol: 49/660