

$$55. -12 + (-10) = -12 - 10 = \boxed{-22}$$

Talachos
+ 3.14
2.18

5.32

$$56. -2.18 - 3.14 = \boxed{-5.32}$$

$$59. \frac{4}{5} - \frac{6}{7} = \frac{4 \cdot 7}{5 \cdot 7} - \frac{6 \cdot 5}{7 \cdot 5} = \frac{7 \cdot 4 - 5 \cdot 6}{7 \cdot 5} = \frac{28 - 30}{35} = \frac{-2}{35} = \boxed{-\frac{2}{35}}$$

$$60. -\frac{5}{12} - (-\frac{7}{8}), -\frac{5}{12} + \frac{7}{8}, \frac{-5 \cdot 2 + 3 \cdot 7}{24} = \frac{-10 + 21}{24} = \frac{11}{24} \Rightarrow -\frac{5}{12} - (-\frac{7}{8}) = \boxed{\frac{11}{24}}$$

$$62. -1 - \frac{7}{16}, -\frac{1}{1} - \frac{7}{16}, \frac{-1 \cdot 16 - 1 \cdot 7}{16} = \frac{-16 - 7}{16} = \frac{-23}{16} \Rightarrow -1 - \frac{7}{16} = \boxed{-\frac{23}{16}}$$

$$63. 10 - (-2.31) + (-4.39) = 10 + 2.31 - 4.39 = 12.31 - 4.39 = \boxed{7.92}$$

~~$10 - (-2.31) + (-4.39) = \boxed{7.92}$~~

$$55. -12 + (-10) = \\ = -12 - 10 = -22$$

$$56. -2.18 - 3.14 = -5.32$$

$$59. \frac{4}{5} - \frac{6}{7} = \frac{28-30}{35} = -\frac{2}{35}$$

$$60. \frac{5}{12} - \left(\frac{7}{8}\right) = \\ = -\frac{5}{12} + \frac{7}{8} = \frac{10}{24} + \frac{21}{24} = \frac{11}{24}$$

$$62. -1 - \frac{7}{16} = \\ = -\frac{16}{16} - \frac{7}{16} = -\frac{23}{16}$$

$$63. 10 - (-2.31) + (-4.39) = \\ = 10 + 2.31 - 4.39 = 7.92$$

$$\begin{array}{r} 2.18 \\ 3.14 \\ \hline 5.32 \end{array}$$

$$2 \cdot 3 \quad 2^3$$

**NO BRINCAR
PASOS**

$$\begin{aligned} &= -\frac{5 \cdot 2}{12 \cdot 2} + \frac{7 \cdot 3}{8 \cdot 3} = \\ &= \frac{-10 + 21}{24} = \frac{21 - 10}{24} = \frac{11}{24} \\ &= -1 - \frac{7}{16} \end{aligned}$$

Tres notaciones de división:

$$\frac{3}{2}, 3/2, 3 \div 2$$



whatsapp

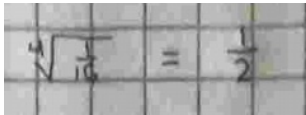


se usa menos



la "favorita"

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


$$\sqrt[4]{16} = \frac{1}{2}$$

~~$$\sqrt[4]{\frac{1}{16}} = \frac{1}{2}$$~~

EJES!

149

Evalue

$$\frac{(1)(-2)(3)(-4)(5)\cdots(97)(-98)}{(-1)(2)(-3)(4)(-5)\cdots(-97)(98)} =$$

$$= \left(\frac{1}{-1}\right) \cdot \left(\frac{-2}{2}\right) \cdot \left(\frac{3}{-3}\right) \cdots \left(\frac{97}{-97}\right) \cdot \left(\frac{-98}{98}\right) =$$

$$= \underbrace{(-1) \cdot (-1) \cdot (-1) \cdots (-1) \cdot (-1)}_{98 \text{ veces}}$$

98 veces

$$= (-1)^{98} = \boxed{1}$$



"menos uno a la 98"

$$\frac{2}{3} + \frac{4}{11}$$

$$\frac{2}{3} \cdot \frac{4}{11} = \frac{2 \cdot 4}{3 \cdot 11}$$

más fácil!

$$\left(\frac{a}{b}\right) \cdot \left(\frac{c}{d}\right) = \frac{a \cdot c}{b \cdot d}$$

~~$$-1 \cdot -1$$~~

$$(-1)^2 = 1$$

$$(-1)^3 = -1$$

$$(-1)^4 = 1$$

$$(-1)^5 = -1$$

=

$$\sqrt{4} =$$

Ⓐ 2

Ⓑ ± 2

Ⓒ más 2

Ⓓ sepa

$$\sqrt{-4} = ?$$

0

No se puede

~~menos~~

ó menos 2

0

$$\sqrt[3]{27} = 3$$

~~3~~

$$\sqrt{0} = 0$$

OJO!

$$x^2 = 4 \implies x = 2 ?$$

$$\{x \mid x^2 = 4\} =$$

$$= \{2, -2\}$$

NO NECESARIAMENTE

podría ser también -2

$$x^2 = 5 \implies x = \sqrt{5} = 2.2 \dots$$

NO ES LIERT 0

↑
√4

↑
no

$$x + \frac{1}{x} = 7$$

$$x^2 + \frac{1}{x^2} = ?$$

RETO

no es difícil! (si lo piensas bien)

FIN