

20: Reducir las siguientes
 en su cubo y con
 su base 3 y 5

$$= \frac{6}{12} + \frac{3}{54} = \frac{54+12}{108} = \frac{126}{108} = \frac{63}{54} = \frac{21}{18} = \frac{7}{6}$$

$$= \frac{6}{10} - \frac{42}{90} = \frac{54-42}{90} = \frac{12}{90}$$

$$= \frac{108+4}{648} = \frac{1}{6} + \frac{4}{12} = \frac{2}{3} + \frac{1}{3} = \frac{3}{3} = 1$$

Ejemplos

$$\frac{31}{1} \times \frac{12}{7} = \frac{372}{49}$$

$$\left(\frac{23}{5}\right) \left(\frac{34}{8}\right) \left(-\frac{4}{11}\right) \left(-\frac{3}{5}\right) = \frac{4524}{3.200} = \frac{4692}{1.100} = \frac{8386}{550}$$

$$\left(-\frac{12}{4}\right) \left(-\frac{6}{20}\right) \left(-\frac{14}{17}\right) = \frac{1008}{1360}$$

Ejemplos de división

$$a) \frac{15}{7} \div \frac{12}{7} \div \frac{10}{3} = \frac{252}{1.050} = \frac{126}{525} = \frac{42}{175} = \frac{6}{25}$$

$$b) \left(\frac{3}{5}\right) \div \left(-\frac{6}{8}\right) \div \left(-\frac{3}{8}\right) \div \left(-\frac{9}{10}\right) = \frac{-90}{2.160} = \frac{45}{1080} = \frac{-15}{360} = \frac{5}{120}$$

Ejemplo #2

Impar = negativo Par = Pos 2º va aplica
Para multiplicar y dividir

$$\left(-5\frac{3}{2}\right) / \left(6\frac{11}{5}\right) / (-4) / \frac{3}{4} = -\frac{13}{2} \div \frac{34}{5} \div -\frac{4}{1} \div -$$

$$\frac{520}{106} = \frac{260}{53}$$

$$\frac{8}{5} + \left(1\frac{4}{4}\right) 3\left(2\frac{9}{6}\right) 4 = \frac{58}{5} + \left(\frac{67}{4} \times \frac{3}{1} \times \frac{21}{6} + \frac{4}{1}\right)$$

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$$\frac{38}{5} + \frac{16.284}{54}$$



1 example

$$1) 3.005 = 3.005 \times 10^3$$

$$2) 2.35 = 2.35 \times 10^2$$

$$3) 0.07 = 7 \times 10^2$$

$$4) 0.00054 = 5.4 \times 10^4$$

$$5) 300\ 000\ 000 = 3 \times 10^8$$

$$6) 480 = 4.8 \times 10^2$$

$$7) 0.002 = 2 \times 10^3$$

$$8) 53.4 = 5.34 \times 10^1$$

$$9) 8000 = 8 \times 10^3$$

Areas

$$1 \cdot 10^6 = 2510000$$

$$10^8 = 000000932$$

$$10^6 = 0000$$

$$10^{-3} = 789000$$

$$16^{10} = 78000$$

$$10^4 = 000000.9180$$

$$10^{-5} = 562,000$$

$$10^{-3} = 00000089$$

$$10^{-1} = 00000004.33$$

A) Convierte los siguientes a decimales

A) $\frac{40}{22} = 1.82$

B) $\frac{5}{16} = 0.31$

C) $\frac{15}{18} = 0.83$

D) $5 \frac{4}{16} = 5.25$

E) $3 \frac{12}{32} = 3.37$

F) $6 \frac{3}{8} = 6.37$

