los números que no son enteros tienen dos Formas de representarse:

- · Fracciones
- · Decimales.

Problemas (Personal)

6.10) 0.2.

$$0.2 = 2 \times 10^{-1} = 2 \times \frac{1}{10} = \frac{2}{10} = \frac{1}{5}$$

6.11)

(a)
$$0.8 = \frac{8}{10} = \frac{4}{5}$$

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$$0.8 = \frac{8}{10} = \frac{4}{5}$$
 (b) $0.5 = \frac{1}{2}$ (c) $0.04 = \frac{4}{100} = \frac{1}{25}$

(a)
$$0.12s = 12s = \frac{1}{8}$$

(a)
$$0.12s = \frac{12s}{1000} = \frac{1}{8}$$
 (e) $-1.72 = -\frac{172}{100} = -\frac{43}{25}$

$$(5)$$
 2.5625 = $\frac{25625}{10000}$ = $\frac{5125}{2000}$ = $\frac{1025}{400}$ = $\frac{41}{16}$

$$(a)$$
 $\frac{1}{2} = 0.5$

$$(6) \frac{3}{5} = \frac{6}{10} = 0.6$$

$$(e) - \frac{11}{20} = -\frac{55}{100} = -0.55$$

$$(F) \frac{19}{2} = \frac{19}{2} = \frac{19 \cdot 5^{5}}{25 \cdot 5^{6}}$$

Importants:
$$\frac{1}{2} = 0.5$$
 $\frac{1}{4} = 0.25$ $\frac{1}{6} = 0.16$

$$\frac{1}{3} = 0.\overline{3}$$
 $\frac{1}{5} = 0.2$ $\frac{1}{7} = 0.\overline{142857}$

 $0.875 \approx \frac{875}{1000} \approx \frac{35}{40} \approx \frac{7}{8}$

$$\frac{1}{8} = 0.125$$
 $\frac{1}{9} = 0.7$ $\frac{1}{10} = 0.1$

$$= \frac{19.5^{\circ}}{10^{\circ}} = \frac{3125.19}{100,000} = \frac{59375}{100,000} = 0.59375$$

$$6.13$$
) $12.3456 = \frac{123456}{19.009} = \frac{15432}{1250} = \frac{7716}{625}$

6.14)
$$2.5 = \frac{5}{2}$$
. El reciproco es $\frac{2}{5}$, 0 0.4.

Edercicios

$$(a) \frac{2}{25} = \frac{8}{100} = 0.08$$

(c)
$$-\frac{11}{4} = -\frac{11 \cdot 5^2}{2^2 \cdot 5^2} = \frac{275}{10^2} = -2.75$$

(b)
$$\frac{s}{16} = \frac{s \cdot s^4}{4 \cdot s^4} = \frac{3125}{14} = 0.3125$$
 (d) $\frac{61}{1000} = 0.081$

$$(3) \frac{1000}{81} = 0.08$$

(e)
$$\frac{17}{46} = \frac{17}{10.4} = \frac{17}{2.5.2^2} = \frac{17}{2^3.5} \cdot \frac{5^2}{5^2} = \frac{425}{10^3} = 0.425$$

$$(F) \frac{3}{10^4} = 0.0003$$

$$\frac{2}{10} + \frac{4}{100} + \frac{6}{1000} = \frac{200}{1000} + \frac{40}{1000} + \frac{6}{1000} = \frac{246}{1000} = 0.246$$

(a)
$$-0.7 = -\frac{7}{10}$$
 (b) $0.0138 = \frac{138}{10,000} = \frac{69}{5,000}$

(c)
$$0.375 = \frac{375}{1000} = \frac{15}{40} = \frac{3}{8}$$
 (d) $1.11 = \frac{111}{100} = \frac{111}{100}$

(e)
$$0.002 = \frac{2}{1000} = \frac{1}{500} = \frac{1}{500}$$
 (f) $2.6 = \frac{26}{10} = \frac{13}{5} = \frac{13}{5}$

6.3.4)
$$8 \times .25 \times 2 \times .125 = 8 \times \frac{1}{4} \times 2 \times \frac{1}{8} = \frac{1}{2}$$

$$3.2 = \frac{32}{10} = \frac{16}{5}$$
, el recipioco es $\frac{5}{16}$.

$$6.3.6)$$

$$5.75 = \frac{575}{100} = \frac{23}{4} \qquad \frac{1}{8} \times M = \frac{27}{4}$$

$$M = \frac{23}{4} \times 8^{2} = 46$$

$$3 \cdot \left(\frac{2}{3}\right)^n$$
 $0 \in S$ of número de rebotes.

$$3 \cdot \left(\frac{2}{3}\right)^{n} \angle \frac{1}{2}$$
 en el quinto (5) redote.
$$\frac{2^{n}}{3^{n-1}} \angle \frac{1}{2} \qquad \frac{32}{81} \angle \frac{1}{2}$$

$$1.062S = \frac{1062S}{10,000} = \frac{42S}{400} = \frac{17}{16}$$

$$\frac{2}{16} = \frac{17}{16}$$

$$\frac{2}{16} = \frac{17}{16}$$

$$\frac{1}{16} = \frac{34}{16}$$