

UNIVERSIDADE FEDERAL DA FRONTEIRA SUL - UFFS
CAMPUS CHAPECÓ
GEX213 - MATEMÁTICA C - Lista 1
Profª Josiane Hoffmann

1. Efetue as seguintes operações:

(a) $\frac{1}{2} + \frac{1}{3}$

(b) $\frac{1}{4} + \frac{1}{3}$

(c) $\frac{1}{2} + \frac{1}{4}$

(d) $\frac{1}{6} + \frac{4}{9}$

(e) $\frac{2}{3} + \frac{5}{6}$

(f) $\frac{3}{4} + \frac{3}{10}$

(g) $\frac{2}{3} + \frac{5}{9}$

(h) $\frac{2}{5} + \frac{3}{10}$

(i) $\frac{1}{3} + \frac{2}{5}$

(j) $\frac{3}{5} + \frac{2}{4}$

(k) $\frac{3}{8} + \frac{7}{10}$

(l) $\frac{3}{8} + \frac{1}{6}$

(m) $\frac{1}{2} + \frac{4}{5}$

(n) $\frac{2}{7} - \frac{1}{15}$

(o) $\frac{5}{8} - \frac{1}{4}$

(p) $\frac{4}{7} - \frac{2}{14}$

(q) $\frac{5}{6} - \frac{5}{12}$

(r) $\frac{4}{5} - \frac{3}{10}$

(s) $\frac{2}{5} - \frac{2}{15}$

(t) $\frac{5}{3} - \frac{5}{6}$

(u) $\frac{9}{4} - \frac{7}{10}$

(v) $\frac{7}{12} - \frac{1}{3}$

(w) $\frac{7}{12} - \frac{1}{4}$

$$(x) \frac{3}{10} - \frac{1}{5}$$

$$(y) \frac{8}{5} - \frac{4}{15}$$

2. Efetue as multiplicações e divisões de frações:

$$(a) \frac{1}{2} \cdot \frac{1}{3}$$

$$(b) \frac{1}{4} \cdot \frac{1}{3}$$

$$(c) \frac{1}{2} \cdot \frac{1}{4}$$

$$(d) \frac{1}{6} \cdot \frac{4}{9}$$

$$(e) \frac{2}{3} \cdot \frac{5}{6}$$

$$(f) \frac{3}{4} \cdot \frac{3}{10}$$

$$(g) \frac{2}{3} \cdot \frac{5}{9}$$

$$(h) \frac{2}{5} \cdot \frac{3}{10}$$

$$(i) \frac{1}{3} \cdot \frac{2}{5}$$

$$(j) \frac{3}{5} \cdot \frac{2}{4}$$

$$(k) \frac{3}{8} \cdot \frac{7}{10}$$

$$(l) \frac{3}{8} \cdot \frac{1}{6}$$

$$(m) \frac{1}{2} \cdot \frac{4}{5}$$

$$(n) \frac{2}{7} \div \frac{1}{15}$$

$$(o) \frac{5}{8} \div \frac{1}{4}$$

$$(p) \frac{4}{7} \div \frac{2}{14}$$

$$(q) \frac{5}{6} \div \frac{5}{12}$$

$$(r) \frac{4}{5} \div \frac{3}{10}$$

$$(s) \frac{2}{5} \div \frac{2}{15}$$

$$(t) \frac{5}{3} \div \frac{5}{6}$$

$$(u) \frac{9}{4} \div \frac{7}{10}$$

$$(v) \frac{7}{12} \div \frac{1}{3}$$

$$(w) \frac{7}{12} \div \frac{1}{4}$$

$$(x) \frac{3}{10} \div \frac{1}{5}$$

(y) $\frac{8}{5} \div \frac{4}{15}$

3. Quais das seguintes afirmações são verdadeiras?

(a) $517 \in \mathbb{Q}$.

(b) $0,4747474747\ldots \in \mathbb{Q}$.

(c) $0 \in \mathbb{Z}$.

(d) $\frac{1}{2}$ é irracional.

(e) $\sqrt{3} \in \mathbb{N}$.

(f) $3 \in \mathbb{R}$.