

Confronto tra frazioni

Confronta le seguenti coppie di frazioni e inserisci il simbolo corretto al posto dei puntini (>, <, =).

Esempio: $\frac{1}{3} \dots \frac{2}{5} \Rightarrow \frac{1}{3} = \frac{5}{15}$ e $\frac{2}{5} = \frac{6}{15}$. Poiché $\frac{5}{15} < \frac{6}{15}$ allora $\frac{1}{3} < \frac{2}{5}$. Altrimenti utilizza il prodotto

incrociato: $1 \cdot 5 = 5 < 6 = 2 \cdot 3$, quindi la prima frazione è minore della seconda.

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|--|---------------------------------------|---------------------------------------|-----------|
| 1. $\frac{5}{9} \dots \frac{3}{8}$ | $\frac{7}{2} \dots \frac{4}{20}$ | $\frac{7}{10} \dots \frac{3}{4}$ | [>, >, <] |
| 2. $\frac{10}{8} \dots \frac{5}{4}$ | $\frac{3}{6} \dots \frac{7}{12}$ | $\frac{8}{7} \dots \frac{25}{21}$ | [=, <, <] |
| 3. $\frac{12}{5} \dots \frac{9}{3}$ | $\frac{8}{5} \dots \frac{6}{7}$ | $\frac{1}{3} \dots \frac{1}{8}$ | [<, >, >] |
| 4. $\frac{4}{3} \dots \frac{7}{6}$ | $\frac{44}{3} \dots \frac{22}{2}$ | $\frac{3}{5} \dots \frac{6}{11}$ | [>, >, >] |
| 5. $\frac{4}{14} \dots \frac{2}{12}$ | $\frac{2}{13} \dots \frac{1}{6}$ | $\frac{7}{7} \dots \frac{3}{3}$ | [>, <, =] |
| 6. $\frac{14}{6} \dots \frac{15}{2}$ | $\frac{3}{9} \dots \frac{4}{12}$ | $\frac{9}{8} \dots \frac{7}{11}$ | [<, =, >] |
| 7. $\frac{4}{15} \dots \frac{2}{3}$ | $\frac{14}{11} \dots \frac{12}{8}$ | $\frac{7}{5} \dots \frac{6}{9}$ | [<, <, >] |
| 8. $\frac{8}{15} \dots \frac{6}{10}$ | $\frac{13}{2} \dots \frac{18}{3}$ | $\frac{3}{5} \dots \frac{7}{11}$ | [<, >, <] |
| 9. $\frac{17}{6} \dots \frac{14}{5}$ | $\frac{20}{10} \dots \frac{4}{2}$ | $\frac{9}{15} \dots \frac{8}{12}$ | [>, =, <] |
| 10. $\frac{111}{62} \dots \frac{94}{30}$ | $\frac{108}{28} \dots \frac{151}{56}$ | $\frac{75}{72} \dots \frac{200}{216}$ | [<, >, >] |

Vero o falso?

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|----------------------------------|---|---------------------------------|---|--------|
| 1. $\frac{7}{5} > \frac{8}{6}$ | <input type="checkbox"/> V <input type="checkbox"/> F | $\frac{3}{4} < \frac{15}{20}$ | <input type="checkbox"/> V <input type="checkbox"/> F | [V, F] |
| 2. $\frac{11}{16} > \frac{3}{4}$ | <input type="checkbox"/> V <input type="checkbox"/> F | $\frac{2}{7} < \frac{6}{8}$ | <input type="checkbox"/> V <input type="checkbox"/> F | [F, V] |
| 3. $\frac{8}{4} > \frac{4}{8}$ | <input type="checkbox"/> V <input type="checkbox"/> F | $\frac{4}{3} = \frac{4}{5}$ | <input type="checkbox"/> V <input type="checkbox"/> F | [V, F] |
| 4. $\frac{4}{7} > \frac{29}{35}$ | <input type="checkbox"/> V <input type="checkbox"/> F | $\frac{12}{4} < \frac{144}{48}$ | <input type="checkbox"/> V <input type="checkbox"/> F | [F, F] |
| 5. $\frac{6}{10} > \frac{4}{8}$ | <input type="checkbox"/> V <input type="checkbox"/> F | $\frac{9}{13} < \frac{5}{7}$ | <input type="checkbox"/> V <input type="checkbox"/> F | [V, V] |