Bruchrechenregeln

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· : - Punktoperatore + - - Strich operatore

Strick rechung:

$$\frac{\cancel{1}}{\cancel{4}} + \frac{\cancel{3}}{\cancel{4}} = \cancel{4} = \cancel{1}$$

3- Bruchstail ist das selbe wie gefeilt reclumen $=>\frac{3}{4}=3:4$

-rang den selben Muner bringen
$$\frac{1}{4} + \frac{2}{3} = \frac{3}{12} + \frac{9}{12} = \frac{11}{12}$$

$$\frac{y}{8} - \frac{3}{4} = \frac{y}{8} - \frac{6}{9} = -\frac{2}{9} = -\frac{1}{9}$$

Punktsedrung:

$$\frac{3}{4} \stackrel{\cancel{}}{=} \frac{\cancel{}}{2} = \frac{3}{8}$$

$$\frac{3}{4}:\frac{1}{2}:\frac{3}{4}:\frac{2}{4}:\frac{3}$$

(ürzen: $\frac{5}{6} \cdot \frac{9}{2} = \frac{5 \cdot 3}{6 \cdot 2} = \frac{15}{4} = 3\frac{3}{4}$ Kürzen:

$$\frac{7}{8} \cdot \frac{4}{3} = \frac{7 \cdot 4}{7 \cdot 3} = \frac{7 \cdot 2}{4 \cdot 3} = \frac{7}{2 \cdot 3} = \frac{7}{6} = \frac{1}{6}$$

Dezimal in Brack:

$$\frac{6}{10} = 0, \underline{6}$$

$$\frac{2}{100} = 0, \underline{02}$$

$$\frac{342}{1000} = 0, \underline{342}$$

$$\frac{4}{10000} = 0, \underline{0004}$$

ein Genzes

1,
$$\sqrt{12}$$
 = 1 + $\frac{12}{33}$ = $\frac{33}{55}$ + $\frac{12}{33}$ = $\frac{111}{33}$ = $\frac{37}{33}$

zwei stellen in Periodi, also 2 gen

0, 16 -> 0, 16. 10 = 1, 6 = $\frac{3}{3}$ + $\frac{6}{3}$ = $\frac{45}{3}$

deshalb. 10 [Uorgellen wie ober...]

-> $\frac{15}{3}$: 10 = $\frac{15}{3}$. $\frac{1}{10}$ = $\frac{15}{30}$

spike wieder: 10