

Breuken

Breuk is getal
+ - × ÷ :

Breuk is "deel"
"3 van 4 is rood"



Breuk-vorm $\frac{\text{teller}}{\text{noemer}}$

$$\frac{\square}{\square} = \frac{\square}{\square}$$

$$=$$

$3/7 \setminus 2 + \frac{1}{3} = 2\frac{1}{3}$
-6
-1
(staart)deling

$$\frac{2}{4} = \frac{1}{2}$$

$$\frac{12}{15} = \frac{4}{5}$$

$$\frac{14}{18} = \frac{7}{9}$$

$$\frac{6}{3} = \frac{2}{1} = 2$$

$$1\frac{1}{2} = \frac{2}{2} + \frac{1}{2} = \frac{3}{2}$$

$$3\frac{4}{5} = \frac{15}{5} + \frac{4}{5} = \frac{20}{5}$$

$$6 = \frac{6}{1}$$

$$\frac{7}{3} = 7 : 3 = \frac{6}{3} + \frac{1}{3} = 2\frac{1}{3}$$

$$\frac{22}{4} = 22 : 4 = \frac{20}{4} + \frac{2}{4} = 5\frac{1}{2}$$

← vereenvoudigen
teller én noemer delen
(allebei even? :2)

← helen IN de breuk

← helen UIT de breuk
teller meer dan noemer

$$\frac{\square}{\square} + \frac{\square}{\square}$$

+

$$\frac{\square}{\square} - \frac{\square}{\square}$$

-

$$\frac{2}{5} + \frac{1}{5} = \frac{2+1}{5} = \frac{3}{5}$$

$$\frac{7}{10} + \frac{8}{10} = \frac{7+8}{10} = \frac{15}{10} = 1\frac{5}{10} = 1\frac{1}{2}$$

$$20 = 5 \times 4$$

$$\frac{3}{5} - \frac{1}{4} = \frac{12}{20} - \frac{5}{20} = \frac{12-5}{20} = \frac{7}{20}$$

$$15 = 3 \times 5$$

$$1\frac{2}{3} + 2\frac{3}{5} = \frac{5}{3} + \frac{13}{5} = \frac{25}{15} + \frac{39}{15} = \frac{64}{15} = 4\frac{4}{15}$$

$$\frac{\square}{\square} \times \frac{\square}{\square}$$

×

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\text{teller} \times \text{teller}}{\text{noemer} \times \text{noemer}}$$

$$\frac{2}{5} \times \frac{1}{3} = \frac{2 \times 1}{5 \times 3} = \frac{2}{15}$$

$$\frac{3}{4} \times \frac{6}{7} = \frac{3 \times 6}{4 \times 7} = \frac{18}{28} = \frac{9}{14}$$

$$2\frac{1}{3} \times 1\frac{3}{5} = \frac{7}{3} \times \frac{8}{5} = \frac{7 \times 8}{3 \times 5} = \frac{56}{15} = 3\frac{11}{15}$$

$$1\frac{2}{7} \times 4 = 1\frac{2}{7} \times \frac{4}{1} = \frac{9}{7} \times \frac{4}{1} = \frac{36}{7} = 5\frac{1}{7}$$

$$\frac{\square}{\square} : \frac{\square}{\square}$$

:

$$\frac{2}{5} : \frac{1}{2} = \frac{2}{5} \times \frac{2}{1} = \frac{2 \times 2}{5 \times 1} = \frac{4}{5}$$

$$\frac{3}{4} : 1\frac{2}{3} = \frac{3}{4} : \frac{5}{3} = \frac{3}{4} \times \frac{3}{5} = \frac{3 \times 3}{4 \times 5} = \frac{9}{20}$$

$$6 : \frac{1}{3} = \frac{6}{1} : \frac{1}{3} = \frac{6}{1} \times \frac{3}{1} = \frac{6 \times 3}{1 \times 1} = \frac{18}{1} = 18$$

BASIS

Even: ...0 ...2 ...4 ...6 ...8 (:2)
ONeven: ...1 ...3 ...5 ...7 ...9 (:2)

Bijv.: 136 70 1234 0 992
Bijv.: 49 883 121 227

Even even:2 $\frac{8}{12} = \frac{4}{6} = \frac{2}{3}$
ONeven even:2

BASIS

Tafels! $1 \times 2 = 2 \rightarrow 10 \times 10 = 100$

Oefenen, oefenen, oefenen

BASIS

Potlood en Papier!

Schrijf DUIDELIJK!

0 1 2 3 4 5 6 7 8 9

