

# **Antwoorden**

# **Breuken niveau E**

$\frac{1}{2}$

$\frac{1}{4}$

$\frac{3}{4}$

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

$\frac{2}{5}$

$\frac{1}{3}$

$\frac{9}{16}$

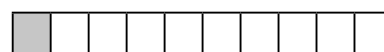
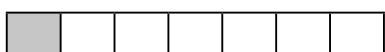
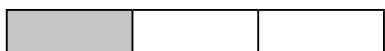
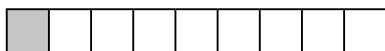
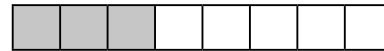
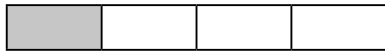
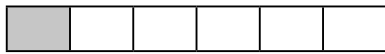
$\frac{5}{8}$

$\frac{1}{8}$

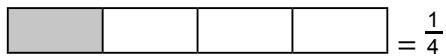
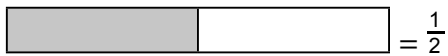
$\frac{3}{6} (= \frac{1}{2})$

$\frac{2}{3}$

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



- in hoeveel gelijke stukken de strook is verdeeld.
- hoeveel stukken van de strook gekleurd zijn.
- teller.
- noemer.
- deelteken.
- gelijke
- één vijfde
- 5 gelijke stukken.
- tiende.
- $\frac{1}{10}$ .
- 1 van de 10



### De samengestelde breuk

- hele en een breuk.
- bijvoorbeeld  $1\frac{1}{3}$  of  $2\frac{1}{6}$

### Breuken vergelijken

- want als je deelt door 4 dan zijn de stukken kleiner, dan wanneer je deelt door 3.  
Als je pizza eet met 4 mensen, krijg je minder dan met 3.

- want bij deze breuken zijn de noemers gelijk, maar de teller van de eerste breuk is kleiner. De teller telt de stukken, dus 2 stukken of 3 stukken van de 5. Dan is het deel van 2 stukken kleiner dan het deel van 3 stukken.

$\frac{4}{4}$

$\frac{9}{9}$

$\frac{15}{15}$

$\frac{6}{6}$

$\frac{5}{5}$

$\frac{100}{100}$

$\frac{8}{8}$

$\frac{6}{6}$

$\frac{50}{50}$

$\frac{3}{3}$

$\frac{3}{3}$

$\frac{82}{82}$

$\frac{2}{2}$

$\frac{8}{8}$

$\frac{12}{12}$

$\frac{9}{9}$

$\frac{100}{100}$

$\frac{6}{6}$

$\frac{10}{10}$

$\frac{10}{10}$

$\frac{22}{22}$

$\frac{1}{1}$

$\frac{25}{25}$

$\frac{1}{1}$

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

$\frac{7}{9}$

$\frac{9}{10}$

$\frac{1}{6}$

$\frac{1}{5}$

$\frac{1}{10}$

$\frac{6}{7}$

$\frac{5}{7}$

$\frac{49}{50}$

$\frac{3}{5}$

$0$

$\frac{7}{8}$

$0$

$\frac{3}{8}$

$7\frac{1}{2}$

$\frac{5}{7}$

$\frac{1}{30}$

$\frac{5}{6}$

$\frac{9}{11}$

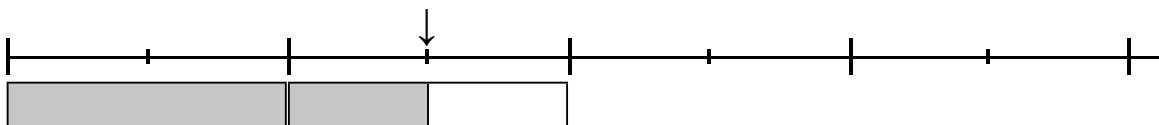
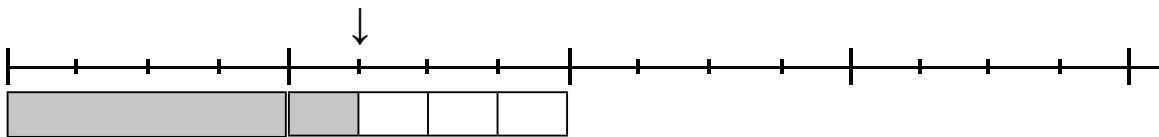
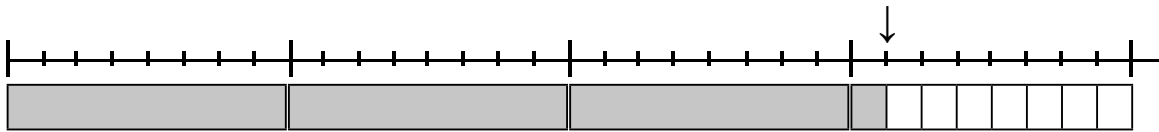
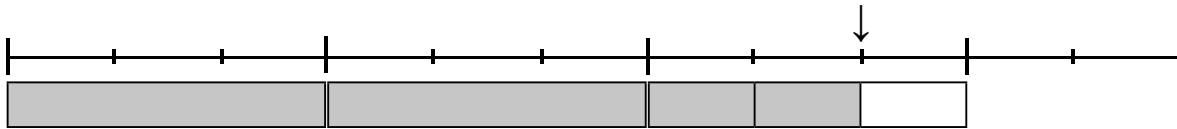
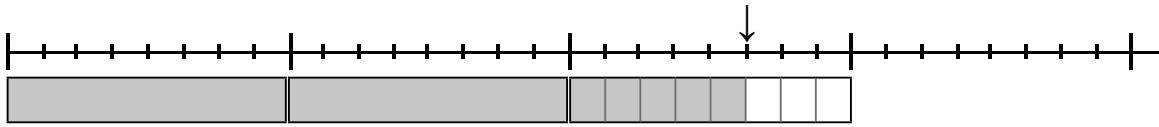
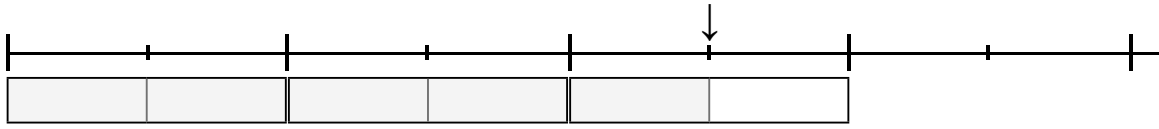
$\frac{11}{19}$

$18\frac{45}{47}$

$\frac{5}{8}$

$\frac{1}{22}$

$\frac{6}{7}$



$$\frac{3}{10}$$

$$\frac{7}{10}$$

$$\frac{9}{10}$$

$$1\frac{1}{12}$$

$$1\frac{11}{12}$$

$$2\frac{5}{12}$$

$$3\frac{5}{12}$$

$$5\frac{3}{12}$$

$$6\frac{6}{12}$$

$$\frac{7}{8}$$

$$2\frac{3}{8}$$

$$3\frac{1}{8}$$

$$12\frac{1}{6}$$

$$13\frac{5}{6}$$

$$14\frac{3}{6}$$

$$28\frac{1}{3}$$

$$29\frac{1}{3}$$

$$30\frac{2}{3}$$

$$\frac{23}{24}$$

$$\frac{11}{24}$$

$$\frac{1}{24}$$

$$\frac{1}{2} > \frac{1}{3}$$

>

$$\frac{1}{5} > \frac{1}{10}$$

$$\frac{1}{10} <$$

>

=

$$\frac{1}{7} >$$

<

>

$$\frac{2}{5} >$$

<

=

$$\frac{8}{8} =$$

<

>

$$\frac{5}{6} >$$

>  $\frac{6}{6}$

<

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

>

<

Meerdere antwoorden mogelijk.

$$36 : 4 = 9$$

9	9	9	9
---	---	---	---

$$50 : 2 = 25$$

25	25
----	----

$$45 : 5 = 9$$

9	9	9	9	9
---	---	---	---	---

$$48 : 8 = 6$$

8	8	8	8	8	8
---	---	---	---	---	---

$$21 : 3 = 7$$

7	7	7
---	---	---

$$28 : 7 = 4$$

4	4	4	4	4	4	4
---	---	---	---	---	---	---

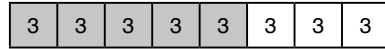
$$54 : 9 = 6$$

6	6	6	6	6	6	6	6	6
---	---	---	---	---	---	---	---	---



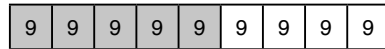
$24 : 8 = 3$

$5 \times 3 = 15$



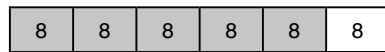
$81 : 9 = 9$

$8 \times 9 = 72$



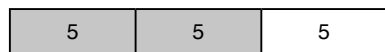
$48 : 6 = 8$

$5 \times 8 = 40$



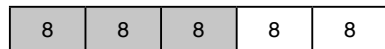
$15 : 3 = 5$

$2 \times 5 = 10$



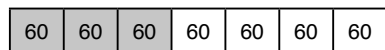
$40 : 5 = 8$

$3 \times 8 = 24$



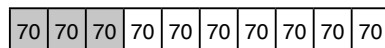
$420 : 7 = 60$

$3 \times 60 = 180$



$700 : 10 = 70$

$3 \times 70 = 210$



$$25 : 1 = 25$$
$$4 \times 25 = 100$$

25	25	25	25
----	----	----	----

$$6 : 3 = 2$$
$$8 \times 2 = 16$$

2	8	8	8	8	8	8	8
---	---	---	---	---	---	---	---

$$24 : 3 = 8$$
$$7 \times 8 = 56$$

8	8	8	8	8	8	8
---	---	---	---	---	---	---

$$30 : 2 = 15$$
$$3 \times 15 = 45$$

15	15	15
----	----	----

$$49 : 7 = 7$$
$$8 \times 7 = 56$$

7	7	7	7	7	7	7	7
---	---	---	---	---	---	---	---

$$72 : 9 = 8$$
$$10 \times 8 = 80$$

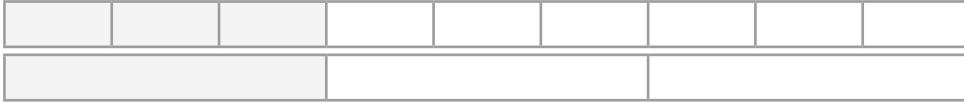
8	8	8	8	8	8	8	8	8	8
---	---	---	---	---	---	---	---	---	---

$$75 : 3 = 25$$
$$7 \times 25 = 175$$

25	25	25	25	25	25	25
----	----	----	----	----	----	----

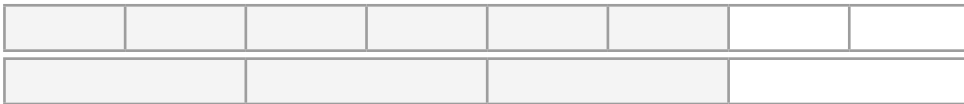
$$\frac{1}{3}$$

delen door 3



$$\frac{3}{4}$$

delen door 2



$$\frac{2}{3}$$

delen door 2

gelijkwaardig



$$\frac{2}{3}$$

delen door 4

gelijkwaardig, want de gekleurde delen zijn even groot



$6\frac{1}{4}$

$6\frac{5}{6}$

$7\frac{1}{2}$

$2\frac{3}{4}$

$5\frac{1}{4}$

$6\frac{1}{2}$

$6\frac{1}{4}$

$7\frac{1}{2}$

$8\frac{1}{8}$

$2\frac{1}{3}$

$2\frac{2}{3}$

$4\frac{1}{2}$

$\frac{3}{10}$

$\frac{3}{5}$

$\frac{4}{5}$

$3\frac{1}{6}$

$3\frac{1}{2}$

$4\frac{1}{3}$

$3\frac{5}{6}$

$3\frac{11}{12}$

$4\frac{1}{4}$

$$\frac{4}{6} = \frac{2}{3}$$

$$\frac{5}{6}$$

$$\frac{5}{6}$$

$$\frac{2}{7}$$

$$\frac{3}{5}$$

$$\frac{2}{5}$$

$$\frac{1}{4}$$

$$\frac{8}{9}$$

$$\frac{7}{9}$$

$$\frac{5}{6}$$

$$\frac{4}{5}$$

$$\frac{2}{5}$$

$$\frac{4}{5}$$

$$\frac{2}{3}$$

Meerdere antwoorden mogelijk.

$1 \frac{1}{9}$

$1 \frac{2}{7}$

$1 \frac{1}{7}$

$1 \frac{3}{4}$

$1 \frac{1}{5}$

$9$

$1 \frac{2}{3}$

$2$

$3 \frac{1}{9}$

$1 \frac{1}{4}$

$1 \frac{1}{8}$

$2 \frac{5}{9}$

$2$

$1 \frac{5}{6}$

$4 \frac{3}{5}$

$1 \frac{1}{5}$

$1 \frac{5}{8}$

$4$

$2$

$1 \frac{6}{7}$

$2 \frac{2}{9}$

$2 \frac{5}{8}$

$1 \frac{3}{7}$

$3 \frac{3}{7}$

$1 \frac{6}{27} = 1 \frac{2}{9}$

$1 \frac{15}{18} = 1 \frac{5}{6}$

$1 \frac{2}{16} = 1 \frac{1}{8}$

$1 \frac{6}{15} = 1 \frac{2}{5}$

$1 \frac{12}{27} = 1 \frac{4}{9}$

$1 \frac{4}{10} = 1 \frac{2}{5}$

$1 \frac{4}{10} = 1 \frac{2}{5}$

$1 \frac{10}{18} = 1 \frac{5}{9}$

$1 \frac{3}{12} = 1 \frac{1}{4}$

$1 \frac{4}{18} = 1 \frac{2}{9}$

$1 \frac{12}{15} = 1 \frac{4}{5}$

$1 \frac{15}{18} = 1 \frac{5}{6}$

$1 \frac{10}{12} = 1 \frac{5}{6}$

$1 \frac{10}{16} = 1 \frac{5}{8}$

$1 \frac{3}{9} = 1 \frac{1}{3}$

$1 \frac{14}{18} = 1 \frac{7}{9}$

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

$1 \frac{4}{18} = 1 \frac{2}{9}$

$3$

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

$1 \frac{2}{8} = 1 \frac{1}{4}$

$1 \frac{9}{12} = 1 \frac{3}{4}$

$1 \frac{2}{8} = 1 \frac{1}{4}$

$1 \frac{10}{14} = 1 \frac{5}{7}$

$$1\frac{7}{6} = 2\frac{1}{6}$$

$$9\frac{6}{5} = 10\frac{1}{5}$$

$$\frac{13}{8} = 1\frac{5}{8}$$

$$10\frac{10}{9} = 11\frac{1}{9}$$

$$\frac{10}{7} = 1\frac{3}{7}$$

$$7\frac{10}{9} = 8\frac{1}{9}$$

$$\frac{11}{10} = 1\frac{1}{10}$$

$$6\frac{7}{6} = 7\frac{1}{6}$$

$$\frac{9}{8} = 1\frac{1}{8}$$

$$8\frac{6}{5} = 9\frac{1}{5}$$

$$\frac{13}{12} = 1\frac{1}{12}$$

$$3\frac{9}{7} = 4\frac{2}{7}$$

$$\frac{7}{5} = 1\frac{2}{5}$$

$$8\frac{8}{7} = 9\frac{1}{7}$$

$$\frac{7}{6} = 1\frac{1}{6}$$

$$6\frac{11}{10} = 7\frac{1}{10}$$

$$\frac{11}{10} = 1\frac{1}{10}$$

$$1\frac{11}{9} = 2\frac{2}{9}$$

$$\frac{11}{9} = 1\frac{2}{9}$$

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

$$1\frac{16}{11} = 2\frac{5}{11}$$

$$1\frac{13}{11} = 2\frac{2}{11}$$

$$1\frac{7}{9}$$

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

$$1\frac{3}{10}$$

$$3\frac{3}{10} + 1\frac{1}{10}$$

$$9\frac{6}{5} = 10\frac{1}{5}$$

$$1\frac{1}{8} + 2\frac{3}{8}$$

$$7\frac{11}{8} = 8\frac{3}{8}$$

$$3\frac{5}{12} + 1\frac{4}{12}$$

$$10\frac{6}{4} = 11\frac{1}{2}$$

$$3\frac{1}{8} + 2\frac{3}{8}$$

$$8\frac{8}{5} = 9\frac{3}{5}$$

$$2\frac{3}{10} + 2\frac{7}{10}$$

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

$$1$$

$$\frac{5}{10} = \frac{1}{2}$$

$$1 \frac{1}{5}$$

$$\frac{4}{7}$$

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

$$\frac{6}{8} = \frac{3}{4}$$

$$3 \frac{5}{10} = 3 \frac{1}{2}$$

$$\frac{1}{8}$$

$$\frac{1}{9}$$

$$\frac{2}{10} = \frac{1}{5}$$

$$2$$

$$\frac{4}{8} = \frac{1}{2}$$

$$1 \frac{1}{2}$$

$$\frac{3}{5}$$

$$2 \frac{1}{5}$$

$$\frac{1}{3}$$

$$3 \frac{4}{18} = 3 \frac{2}{9}$$

$$\frac{2}{8} = \frac{1}{4}$$

$$1 \frac{3}{9} = 1 \frac{1}{3}$$

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

$$10 \frac{9}{16} - \frac{5}{16} = 10 \frac{4}{16} = 10 \frac{1}{4}$$

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

$$10 \frac{10}{18} = 10 \frac{5}{9}$$

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

$$9 \frac{1}{4} - 4$$

$$1$$

$$4 \frac{3}{10} - 1 \frac{2}{10}$$

$$2 \frac{4}{6} = 2 \frac{2}{3}$$

$$2 \frac{7}{8} - 2 \frac{5}{8}$$

$$1 \frac{3}{9} = 1 \frac{1}{3}$$

$$5 \frac{9}{10} - 1 \frac{5}{10}$$

$$1 \frac{2}{10} = 1 \frac{1}{5}$$

$$1 \frac{3}{9} - 1$$



$$1\frac{1}{8} - \frac{2}{8} = \frac{9}{8} - \frac{2}{8} = \frac{7}{8}$$

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

$$1\frac{13}{8} - \frac{7}{8} = 1\frac{6}{8} = 1\frac{3}{4}$$

$$\frac{2}{3}$$

$$3\frac{5}{6}$$

$$\frac{3}{4}$$

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

$$10\frac{3}{5}$$

$$\frac{4}{5}$$

$$9\frac{2}{3}$$

$$1\frac{2}{7}$$

$$8\frac{18}{19}$$

$$1\frac{3}{5}$$

$$19\frac{1}{2}$$

$$\frac{1}{2}$$

$$1\frac{22}{25}$$

$$\frac{2}{3}$$

$$27\frac{2}{3}$$

$$1\frac{1}{4}$$

$$12\frac{8}{9}$$

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

$$16\frac{2}{13}$$

$$3\frac{2}{3}$$

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

$$\frac{2}{3}$$

$$11\frac{1}{12} - \frac{3}{12}$$

$$\frac{4}{5}$$

$$2\frac{3}{15} - 1\frac{6}{15}$$

$$1\frac{5}{6}$$

$$2\frac{5}{8} - 2\frac{4}{8}$$

$$3\frac{5}{6}$$

$$5\frac{5}{20} - 1\frac{9}{20}$$

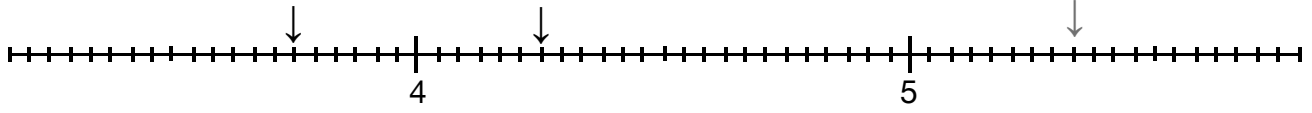
$$\frac{2}{5}$$

$$2\frac{2}{9} - 1\frac{3}{9}$$

$5\frac{8}{24}$

$3\frac{18}{24}$

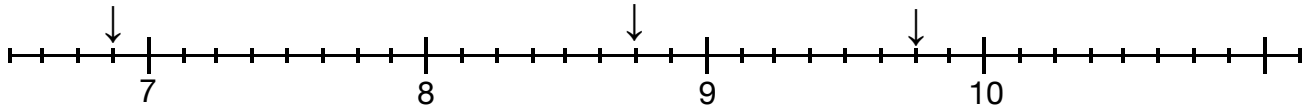
$4\frac{6}{24}$



$8\frac{6}{8}$

$9\frac{6}{8}$

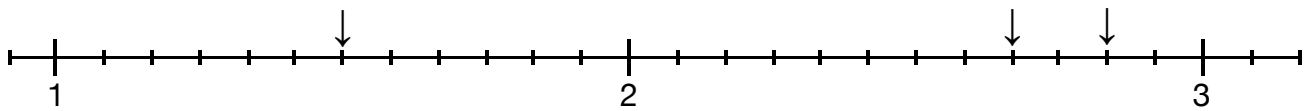
$6\frac{7}{8}$



$2\frac{8}{12}$

$2\frac{10}{12}$

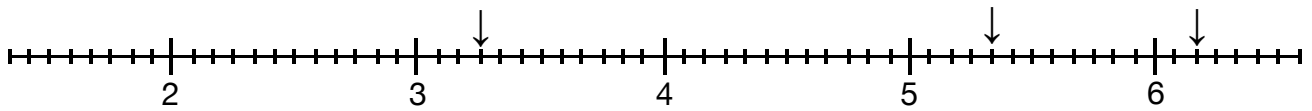
$1\frac{6}{12}$



$5\frac{4}{12}$

$3\frac{3}{12}$

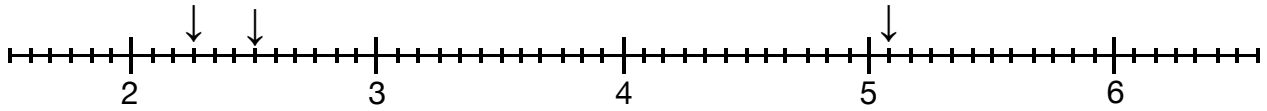
$6\frac{2}{12}$



$5\frac{8}{12}$

$2\frac{3}{12}$

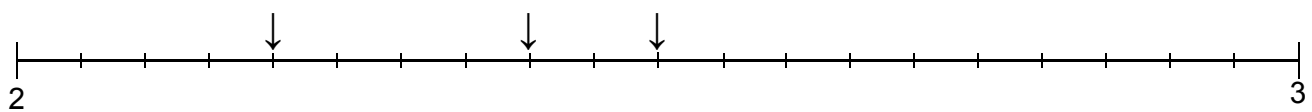
$5\frac{1}{12}$



$2\frac{8}{20}$

$2\frac{10}{20}$

$2\frac{4}{20}$



$$\frac{11}{8} = 1 \frac{3}{8}$$

$$\frac{13}{9} = 1 \frac{4}{9}$$

$$\frac{11}{9} = 1 \frac{2}{9}$$

$$\frac{19}{14} = 1 \frac{5}{14}$$

$$\frac{11}{9} = 1 \frac{2}{9}$$

$$\frac{13}{12} = 1 \frac{1}{12}$$

$$\frac{25}{14} = 1 \frac{11}{14}$$

$$\frac{14}{9} = 1 \frac{5}{9}$$

$$\frac{19}{14} = 1 \frac{5}{14}$$

$$\frac{53}{72}$$

$$\frac{13}{12} = 1 \frac{1}{12}$$

$$\frac{53}{56}$$

$$\frac{19}{14} = 1 \frac{5}{14}$$

$$\frac{28}{45}$$

$$\frac{9}{8} = 1 \frac{1}{8}$$

$$\frac{62}{63}$$

$$\frac{1}{8} \text{ en } \frac{2}{8} = \frac{4}{16} \text{ en } \frac{2}{16} \text{ in het midden ligt } \frac{3}{16}$$

$$\frac{1}{4} \text{ en } \frac{2}{4} \text{ in het midden ligt } \frac{3}{4}$$

$$\frac{12}{18} \text{ en } \frac{6}{18} \text{ in het midden ligt } \frac{9}{18} = \frac{1}{2}$$

$$\frac{4}{10} \text{ en } \frac{5}{10} = \frac{8}{20} \text{ en } \frac{10}{20} \text{ in het midden ligt } \frac{9}{20}$$

$$\frac{4}{6} \text{ en } \frac{5}{6} = \frac{8}{12} \text{ en } \frac{10}{12} \text{ in het midden ligt } \frac{9}{12} = \frac{3}{4}$$

$$\frac{6}{15} \text{ en } \frac{10}{15} \text{ in het midden ligt } \frac{8}{15}$$

$$\frac{4}{20} \text{ en } \frac{5}{20} = \frac{8}{40} \text{ en } \frac{10}{40} \text{ in het midden ligt } \frac{9}{40}$$

$$\frac{15}{24} \text{ en } \frac{16}{24} = \frac{30}{48} \text{ en } \frac{32}{48} \text{ in het midden ligt } \frac{31}{48}$$

$$\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$$

$$\frac{7}{10} - \frac{2}{10} = \frac{5}{10} = \frac{1}{2}$$

$$\frac{3}{9} - \frac{2}{9} = \frac{1}{9}$$

$$\frac{11}{12} - \frac{8}{12} = \frac{3}{12} = \frac{1}{4}$$

$$\frac{6}{9} - \frac{1}{9} = \frac{5}{9}$$

$$\frac{6}{12} - \frac{1}{12} = \frac{5}{12}$$

$$\frac{8}{9} - \frac{6}{9} = \frac{2}{9}$$

$$\frac{8}{12} - \frac{5}{12} = \frac{3}{12} = \frac{1}{4}$$

$$\frac{4}{10} - \frac{3}{10} = \frac{1}{10}$$

$$\frac{7}{9} - \frac{6}{9} = \frac{1}{9}$$

$$\frac{9}{10} - \frac{8}{10} = \frac{1}{10}$$

$$\frac{6}{9} - \frac{4}{9} = \frac{2}{9}$$

$$\frac{27}{45} - \frac{10}{45} = \frac{17}{45}$$

$$\frac{64}{72} - \frac{63}{72} = \frac{1}{72}$$

$$\frac{40}{56} - \frac{35}{56} = \frac{5}{56}$$

$$\frac{50}{70} - \frac{49}{70} = \frac{1}{70}$$

$$\frac{16}{20} - \frac{5}{20} = \frac{11}{20}$$

$$1\frac{6}{14} - \frac{9}{14} = \frac{20}{14} - \frac{9}{14} = \frac{11}{14}$$

$$1\frac{2}{15} - \frac{6}{15} = \frac{17}{15} - \frac{6}{15} = \frac{11}{15}$$

$$1\frac{6}{14} - \frac{11}{14} = \frac{20}{14} - \frac{11}{14} = \frac{9}{14}$$

$$1\frac{2}{9} - \frac{6}{9} = \frac{11}{9} - \frac{6}{9} = \frac{5}{9}$$

$$1\frac{1}{10} - \frac{6}{10} = \frac{11}{10} - \frac{6}{10} = \frac{5}{10} = \frac{1}{2}$$

$$1\frac{1}{8} - \frac{4}{8} = \frac{9}{8} - \frac{4}{8} = \frac{5}{8}$$

$$1\frac{1}{9} - \frac{6}{9} = \frac{10}{9} - \frac{6}{9} = \frac{4}{9}$$

$$1\frac{4}{10} - \frac{7}{10} = \frac{14}{10} - \frac{7}{10} = \frac{7}{10}$$

$$1\frac{1}{14} - \frac{8}{14} = \frac{15}{14} - \frac{8}{14} = \frac{7}{14} = \frac{1}{2}$$

$$1\frac{7}{12} - \frac{10}{12} = \frac{19}{12} - \frac{10}{12} = \frac{9}{12} = \frac{3}{4}$$

$$1\frac{1}{15} - \frac{12}{15} = \frac{16}{15} - \frac{12}{15} = \frac{4}{15}$$

$$\frac{29}{30}$$

$$1\frac{3}{30} - \frac{8}{30} = \frac{33}{30} - \frac{8}{30} = \frac{25}{30} = \frac{5}{6}$$

$$\frac{13}{14}$$

$$1\frac{11}{30}$$

$$1\frac{9}{12} - \frac{11}{12} - \frac{2}{12} = \frac{21}{12} - \frac{11}{12} - \frac{2}{12} = \frac{8}{12} = \frac{2}{3}$$

$$1\frac{6}{24} - \frac{9}{24} - \frac{2}{24} = \frac{30}{24} - \frac{9}{24} - \frac{2}{24} = \frac{19}{24}$$

$$\frac{35}{40} - \frac{24}{40} = \frac{11}{40}$$

$$\frac{28}{35} - \frac{20}{35} = \frac{8}{35}$$

$$\frac{25}{40} - \frac{8}{40} = \frac{17}{40}$$

$$\frac{49}{56} - \frac{24}{56} = \frac{25}{56}$$

$$\frac{27}{45} - \frac{5}{45} = \frac{22}{45}$$

$$\frac{81}{90} - \frac{40}{90} = \frac{41}{90}$$

$$\frac{49}{70} - \frac{20}{70} = \frac{29}{70}$$

$$\frac{40}{56} - \frac{21}{56} = \frac{19}{56}$$

$$\frac{24}{40} - \frac{5}{40} = \frac{19}{40}$$

$$\frac{35}{40} - \frac{8}{40} = \frac{27}{40}$$

$$4\frac{9}{45} - 1\frac{40}{45} = 3\frac{54}{45} - 1\frac{40}{45} = 2\frac{14}{45}$$

$$3\frac{56}{72} - 1\frac{63}{72} = 2\frac{128}{72} - 1\frac{63}{72} = 1\frac{65}{72}$$

$$3\frac{18}{30} - 2\frac{25}{30} = 2\frac{48}{30} - 2\frac{25}{30} = \frac{23}{30}$$

$$4\frac{4}{20} - \frac{15}{20} = 3\frac{24}{20} - \frac{15}{20} = 3\frac{9}{20}$$

$$3\frac{5}{30} - 1\frac{24}{30} = 2\frac{35}{30} - 1\frac{24}{30} = 1\frac{11}{30}$$

$$4\frac{9}{90} - 2\frac{70}{90} = 3\frac{99}{90} - 2\frac{70}{90} = 1\frac{29}{90}$$

$$4\frac{4}{28} - 1\frac{7}{28} = 3\frac{32}{28} - 1\frac{7}{28} = 2\frac{25}{28}$$

$$6\frac{7}{35} - 2\frac{10}{35} = 5\frac{42}{35} - 2\frac{10}{35} = 3\frac{32}{35}$$

$$6\frac{16}{28} - \frac{21}{28} = 5\frac{44}{28} - \frac{21}{28} = 5\frac{23}{28}$$

$$4\frac{27}{36} - 1\frac{32}{36} = 3\frac{63}{36} - 1\frac{32}{36} = 2\frac{31}{36}$$

$$4\frac{4}{28} - \frac{7}{28} = 3\frac{32}{28} - \frac{7}{28} = 3\frac{25}{28}$$

$$4\frac{25}{35} - 1\frac{28}{35} = 3\frac{60}{35} - 1\frac{28}{35} = 2\frac{32}{35}$$

$$5\frac{5}{35} - \frac{28}{35} = 4\frac{40}{35} - \frac{28}{35} = 4\frac{12}{35}$$

$$6\frac{4}{20} - \frac{15}{20} = 5\frac{24}{20} - \frac{15}{20} = 5\frac{9}{20}$$

$$3\frac{45}{63} - 1\frac{49}{63} = 2\frac{108}{63} - 1\frac{49}{63} = 1\frac{59}{63}$$

$$5\frac{7}{35} - \frac{20}{35} = 4\frac{42}{35} - \frac{20}{35} = 4\frac{22}{35}$$

$$6\frac{27}{90} - \frac{50}{90} = 5\frac{117}{90} - \frac{50}{90} = 5\frac{67}{90}$$

$$6\frac{5}{45} - \frac{27}{45} = 5\frac{50}{45} - \frac{27}{45} = 5\frac{23}{45}$$

$$3\frac{9}{36} - 1\frac{32}{36} = 2\frac{45}{36} - 1\frac{32}{36} = 1\frac{13}{36}$$

$$5\frac{9}{45} - \frac{20}{45} = 4\frac{54}{45} - \frac{20}{45} = 4\frac{34}{45}$$

$$3\frac{9}{42} - 1\frac{40}{42} = 2\frac{54}{42} - 1\frac{40}{42} = 1\frac{14}{42}$$

$$4\frac{27}{90} - \frac{40}{90} = 3\frac{117}{90} - \frac{40}{90} = 3\frac{77}{90}$$

$$5\frac{7}{70} - \frac{40}{70} = 4\frac{77}{70} - \frac{40}{70} = 4\frac{37}{70}$$

$$3\frac{27}{36} - 2\frac{32}{36} = 2\frac{63}{36} - 2\frac{32}{36} = \frac{31}{36}$$

$$9 \times \frac{1}{5} = \frac{9}{5} = 1 \frac{4}{5}$$

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

$$\frac{24}{7} = 3 \frac{3}{7}$$

$$\frac{8}{6} = 1 \frac{2}{6} = 1 \frac{1}{3}$$

$$1 \frac{1}{5}$$

$$\frac{45}{6} = 7 \frac{3}{6} = 7 \frac{1}{2}$$

$$\frac{5}{4} = 1 \frac{1}{4}$$

$$\frac{6}{7}$$

$$\frac{12}{5} = 2 \frac{2}{5}$$

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

$$\frac{7}{6} = 1 \frac{1}{6}$$

$$\frac{12}{7} = 1 \frac{5}{7}$$

$$\frac{9}{7} = 1 \frac{2}{7}$$

$$5 \frac{5}{6}$$

$$\frac{14}{6} = 2 \frac{2}{6} = 2 \frac{1}{3}$$

$$\frac{9}{4} = 2 \frac{1}{4}$$

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

$$5 \frac{5}{6}$$

$$\frac{7}{5} = 1 \frac{2}{5}$$

$$\frac{9}{7} = 1 \frac{2}{7}$$

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

$$\frac{8}{7} = 1 \frac{1}{7}$$

$$\frac{9}{4} = 2 \frac{1}{4}$$

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

$$\frac{1}{6} \text{ deel van } 24 = \frac{1}{6} \times 24 = \frac{24}{6} = 4$$

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

$$\frac{1}{4} \times 32 = \frac{32}{4} = 8$$

$$\frac{1}{3} \times 9 = \frac{9}{3} = 3 \times 2 = 6$$

$$\frac{1}{5} \times 20 = \frac{20}{5} = 4$$

$$\frac{1}{5} \times 10 = \frac{10}{5} = 2 \times 2 = 4$$

$$\frac{1}{2} \times 24 = \frac{24}{2} = 12$$

$$\frac{1}{7} \times 2 = \frac{2}{7}$$

$$\frac{1}{5} \times 40 = \frac{40}{5} = 8 \times 3 = 24$$

$$\frac{1}{3} \times 20 = \frac{20}{3} = 6 \frac{2}{3}$$

$$\frac{1}{3} \times 24 = \frac{24}{3} = 8 \times 2 = 16$$

$$\frac{1}{7} \times 21 = \frac{21}{7} = 3 \times 4 = 12$$

$$\frac{1}{5} \times 25 = \frac{25}{5} = 5 \times 4 = 20$$

$$\frac{1}{3} \times 45 = \frac{45}{3} = 15 \times 2 = 30$$

$$\frac{1}{4} \times 12 = \frac{12}{4} = 3 \times 3 = 9$$

$$\frac{1}{12} \times 144 = \frac{144}{12} = 12 \times 5 = 60$$

$$\frac{1}{7} \times \frac{1}{7} = \frac{1}{49}$$

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

$$\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$$

$$\frac{1}{4} \times \frac{2}{3} = \frac{2}{12} = \frac{1}{6}$$

$$\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$$

$$\frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$$

$$\frac{1}{5} \times \frac{3}{10} = \frac{3}{50}$$

$$\frac{2}{3} \times \frac{3}{4} = \frac{6}{12} = \frac{1}{2}$$

$$\frac{6}{7} \times \frac{5}{6} = \frac{30}{42} = \frac{5}{7}$$

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

$$\frac{3}{9} \times \frac{1}{2} = \frac{3}{18} = \frac{1}{6}$$

$$\frac{1}{2} \times \frac{1}{8} = \frac{1}{16}$$

$$\frac{2}{5} \times \frac{4}{5} = \frac{8}{25}$$

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

$$1 \frac{1}{4} \times \frac{2}{3} = \frac{5}{4} \times \frac{2}{3} = \frac{10}{12} = \frac{5}{6}$$

$$3 \frac{2}{5} \times 4 \frac{2}{3} = \frac{17}{5} \times \frac{14}{3} = \frac{238}{15} = 15 \frac{13}{15}$$

$$1 \frac{1}{3} \times \frac{1}{6} = \frac{4}{3} \times \frac{1}{6} = \frac{4}{18} = \frac{2}{9}$$

$$1 \frac{3}{5} \times 2 \frac{3}{7} = \frac{8}{5} \times \frac{17}{7} = \frac{136}{35} = 3 \frac{31}{35}$$

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

$$1 \frac{1}{9} \times \frac{1}{6} = \frac{10}{9} \times \frac{1}{6} = \frac{10}{54} = \frac{5}{27}$$

$$2 \frac{2}{9} \times \frac{1}{5} = \frac{20}{9} \times \frac{1}{5} = \frac{20}{45} = \frac{4}{9}$$

$$1 \frac{1}{4} \times \frac{1}{5} = \frac{5}{4} \times \frac{1}{5} = \frac{5}{20} = \frac{1}{4}$$

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

$$2 \frac{1}{3} \times \frac{1}{3} = \frac{7}{3} \times \frac{1}{3} = \frac{7}{9}$$

$$1 \frac{3}{4} \times \frac{3}{4} = \frac{7}{4} \times \frac{3}{4} = \frac{21}{16} = 1 \frac{5}{16}$$

$$2 \frac{1}{3} \times \frac{3}{7} = \frac{7}{3} \times \frac{3}{7} = \frac{21}{21} = 1$$

$$4 \frac{1}{3} \times \frac{5}{6} = \frac{13}{3} \times \frac{5}{6} = \frac{65}{18} = 3 \frac{11}{18}$$

$$3 \frac{1}{7} \times \frac{1}{7} = \frac{22}{7} \times \frac{1}{7} = \frac{22}{49}$$

$$3 \frac{7}{8} \times \frac{5}{9} = \frac{31}{8} \times \frac{5}{9} = \frac{155}{72} = 2 \frac{11}{72}$$

$$3 \frac{1}{5} \times \frac{1}{8} = \frac{16}{5} \times \frac{1}{8} = \frac{16}{40} = \frac{2}{5}$$

$$\frac{20}{15} : 5 = \frac{4}{15}$$

$$\frac{9}{8} : 3 = \frac{3}{8}$$

$$\frac{2}{12} = \frac{1}{6}$$

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

$$\frac{3}{9} = \frac{1}{3}$$

$$\frac{7}{4} : 7 = \frac{1}{4}$$

$$\frac{1}{12}$$

$$\frac{14}{10} : 7 = \frac{2}{10} = \frac{1}{5}$$

$$\frac{2}{13}$$

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

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

$$\frac{20}{9} : 5 = \frac{4}{9}$$

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

$\times 5$  . De breuk wordt 2.

$\times 5$  .

Het getal wordt 10.

$$2 : 10 = \frac{2}{10} = \frac{1}{5}$$

$$\frac{3}{10} : 6 = \frac{1}{20}$$

$\times 10$  . De breuk wordt 3.

$\times 10$  .

Het getal wordt 60.

$$3 : 60 = \frac{3}{60} = \frac{1}{20}$$

$$\frac{1}{3} : 4 = \frac{1}{12}$$

$\times 3$  . De breuk wordt 1.

$\times 3$  .

Het getal wordt 12.

$$1 : 12 = \frac{1}{12}$$

$$\frac{5}{8} : 4 = \frac{5}{24}$$

$\times 8$  . De breuk wordt 5.

$\times 8$  .

Het getal wordt 24.

$$5 : 24 = \frac{5}{24}$$

$$\frac{3}{5} : 2 = 3 : 10 = \frac{3}{10}$$

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

$$4 : \frac{1}{5} = 20 : 1 = 20$$

$$6 : \frac{1}{8} = 48 : 1 = 48$$

$$\frac{3}{4} : 4 = 3 : 16 = \frac{3}{16}$$

$$\frac{2}{7} : 3 = 2 : 21 = \frac{2}{21}$$



$$\frac{1}{5} = \frac{20}{100} = 20\%$$

$$\frac{1}{50} = \frac{2}{100} = 2\%$$

$$\frac{1}{4} = \frac{25}{100} = 25\%$$

$$\frac{3}{20} = \frac{15}{100} = 15\%$$

$$\frac{1}{10} = \frac{10}{100} = 10\%$$

$$\frac{3}{5} = \frac{60}{100} = 60\%$$

$$\frac{1}{2} = \frac{50}{100} = 50\%$$

$$\frac{2}{2} = \frac{100}{100} = 100\%$$

$$\frac{1}{8} = \frac{12,5}{100} = 12,5\%$$

$$\frac{9}{10} = \frac{90}{100} = 90\%$$

$$\frac{1}{20} = \frac{5}{100} = 5\%$$

$$\frac{3}{4} = \frac{75}{100} = 75\%$$

$$\frac{1}{100} = \quad = 1\%$$

$$\frac{11}{20} = \frac{55}{100} = 55\%$$

$$\frac{1}{25} = \frac{4}{100} = 4\%$$

$$\frac{11}{50} = \frac{22}{100} = 22\%$$

$$5\% = \frac{1}{20}$$

$$12,5\% = \frac{1}{8}$$

$$20\% = \frac{1}{5}$$

$$66,6\% = \frac{2}{3}$$

$$1\% = \frac{1}{100}$$

$$40\% = \frac{2}{5}$$

$$10\% = \frac{1}{10}$$

$$100\% = 1$$

$$50\% = \frac{1}{2}$$

$$125\% = 1\frac{1}{4}$$

$$33,3\% = \frac{1}{3}$$

$$105\% = 1\frac{1}{20}$$

$$75\% = \frac{3}{4}$$

$$110\% = 1\frac{1}{10}$$

$$\frac{1}{20} = \frac{5}{100} = 0,05$$

$$2\frac{1}{5} = 2\frac{2}{10} = 2,2$$

$$\frac{2}{5} = \frac{4}{10} = 0,4$$

$$3\frac{1}{2} = 3\frac{5}{10} = 3,5$$

$$\frac{1}{2} = \frac{5}{10} = 0,5$$

$$1\frac{3}{5} = 1\frac{6}{10} = 1,6$$

$$\frac{4}{5} = \frac{8}{10} = 0,8$$

$$\frac{6}{30} = \frac{1}{5} = \frac{2}{10} = 0,2$$

$$\frac{2}{25} = \frac{8}{100} = 0,08$$

$$\frac{18}{45} = \frac{2}{5} = \frac{4}{10} = 0,4$$

$$\frac{9}{20} = \frac{45}{100} = 0,45$$

$$\frac{60}{200} = \frac{30}{100} = \frac{3}{10} = 0,3$$

$$\frac{2}{50} = \frac{4}{100} = 0,04$$

$$3\frac{12}{50} = 3\frac{24}{100} = 3,24$$

$$\frac{1}{20} = 1 : 20$$

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

$$\frac{2}{5} = 2 : 5$$

$$\frac{3}{4} = 3 : 4$$

$$0,05 = \frac{5}{100} = \frac{1}{20}$$

$$0,1 = \frac{1}{10}$$

$$0,25 = \frac{25}{100} = \frac{1}{4}$$

$$0,95 = \frac{95}{100} = \frac{19}{20}$$

$$0,15 = \frac{15}{100} = \frac{1}{20}$$

$$0,5 = \frac{5}{10} = \frac{1}{2}$$

$$0,4 = \frac{4}{10} = \frac{2}{5}$$

$$1,6 = 1\frac{6}{10} = 1\frac{3}{5}$$

$$0,75 = \frac{75}{100} = \frac{3}{4}$$

$$1,88 = 1\frac{88}{100} = 1\frac{22}{25}$$

$$0,02 = \frac{2}{100} = \frac{1}{50}$$

$$0,67 = \frac{67}{100}$$

$$0,8 = \frac{8}{10} = \frac{4}{5}$$

$$0,01 = \frac{1}{100}$$