

Antwoorden

Breuken niveau D

De drie-strook

In elk stuk: $\frac{1}{3}$

De acht-strook

In elk stuk: $\frac{1}{8}$

De vier-strook

In elk stuk: $\frac{1}{4}$

De tien-strook

In elk stuk: $\frac{1}{10}$

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

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

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

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

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

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

$$\frac{9}{16}$$

$$\frac{5}{8}$$

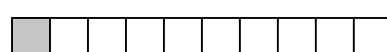
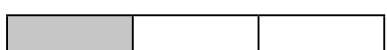
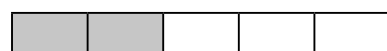
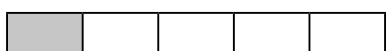
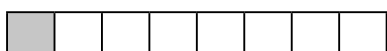
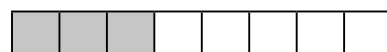
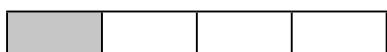
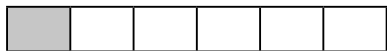
$$\frac{1}{8}$$

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

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

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

- geheel.
- 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



$$\frac{5}{6} \text{ en } \frac{6}{6}$$

$$\frac{1}{1} \text{ en } \frac{1}{1}$$

$$\frac{3}{4} \text{ en } \frac{4}{4}$$

$$\frac{3}{13} \text{ en } \frac{13}{13}$$

$$\frac{1}{8} \text{ en } \frac{8}{8}$$

$$\frac{3}{10} \text{ en } \frac{10}{10}$$

$$\frac{2}{3} \text{ en } \frac{3}{3}$$

$$\frac{5}{9} \text{ en } \frac{9}{9}$$

$$\frac{1}{2} \text{ en } \frac{2}{2}$$

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

$$\frac{2}{9} \text{ en } \frac{9}{9}$$

$$\frac{7}{10} \text{ en } \frac{10}{10}$$

$$\frac{9}{16} \text{ en } \frac{9}{16}$$

$$\frac{8}{13} \text{ en } \frac{13}{13}$$

$$\frac{2}{6} + \frac{4}{6} = \frac{4}{6} = 1$$

$$\frac{4}{10} + \frac{6}{10} = \frac{10}{10} = 1$$

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

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

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

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

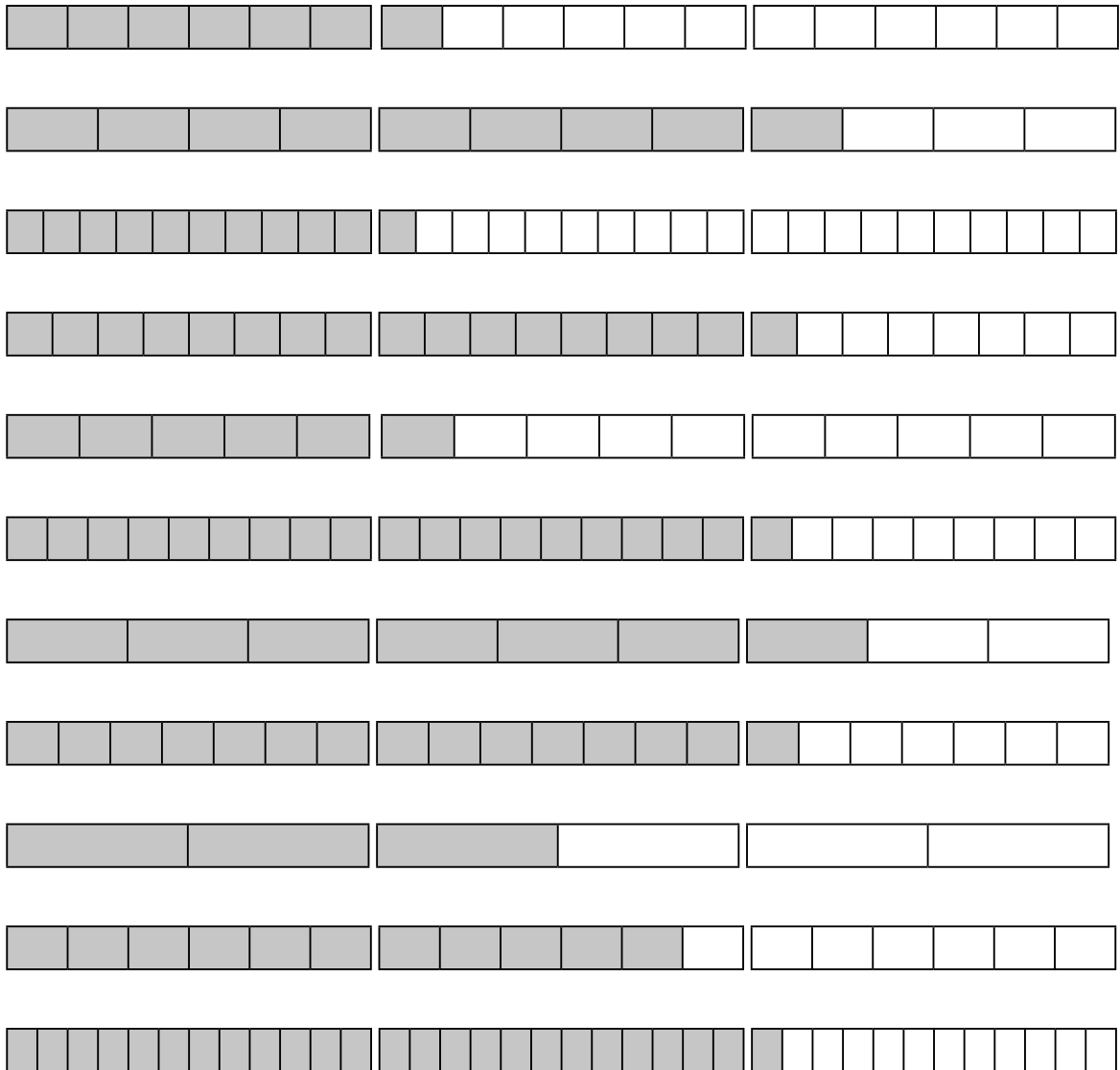
$$\frac{1}{3} + \frac{2}{3} = \frac{3}{3} = 1$$

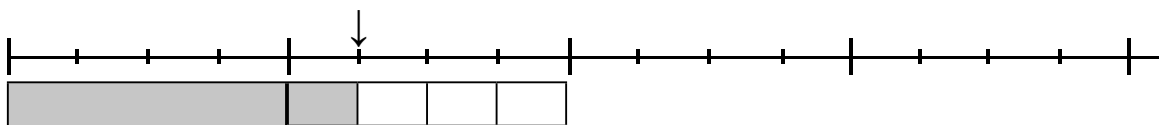
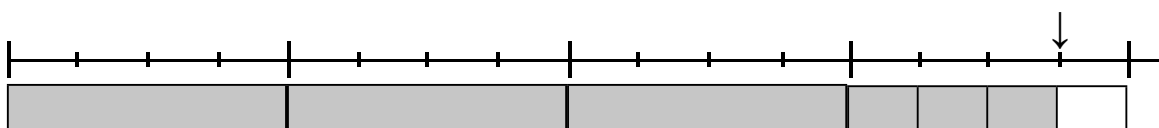
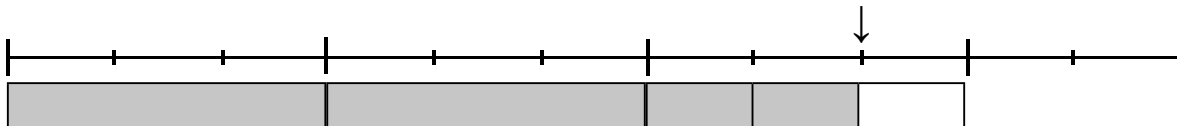
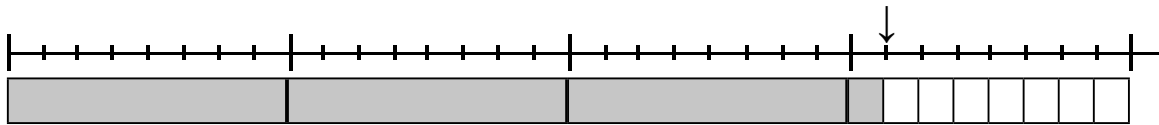
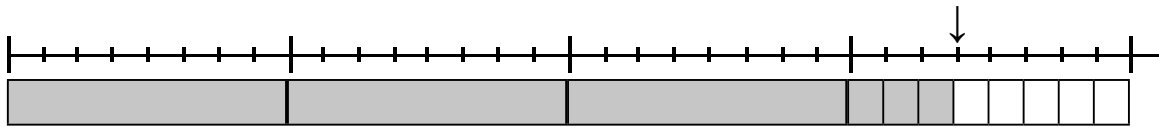
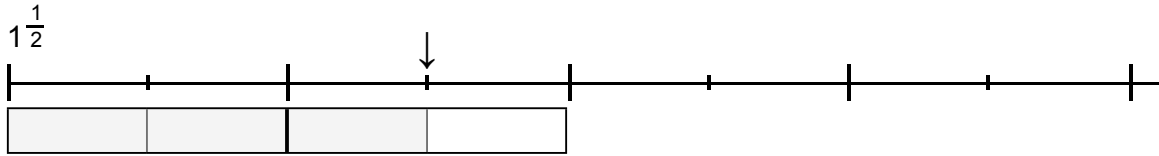
$$\frac{3}{4} + \frac{1}{4} = \frac{4}{4} = 1$$

$$\frac{3}{9} + \frac{6}{9} = \frac{9}{9} = 1$$

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

- hele en een breuk.
- bijvoorbeeld $1\frac{1}{4}$ of $5\frac{1}{6}$
- heel getal.
- breuk.
- samengestelde





$10\frac{1}{10}$

$10\frac{3}{10}$

$10\frac{9}{10}$

11

$11\frac{5}{12}$

$12\frac{1}{12}$

$13\frac{1}{12}$

$20\frac{11}{12}$

$22\frac{11}{12}$

$24\frac{6}{12} (= 24\frac{1}{2})$

$7\frac{7}{8}$

$9\frac{3}{8}$

$10\frac{1}{8}$

$1\frac{5}{6}$

$2\frac{5}{6}$

$4\frac{1}{6}$

$4\frac{2}{3}$

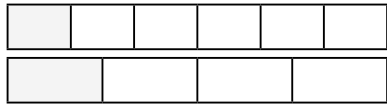
$7\frac{2}{3}$

$8\frac{1}{3}$

$\frac{1}{924}$

$\frac{11}{924}$

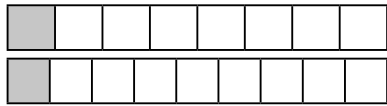
$\frac{23}{924}$



$\frac{1}{6}$ is kleiner dan $\frac{1}{4}$



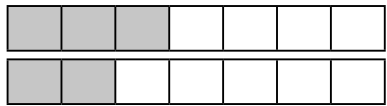
$\frac{2}{5}$ is kleiner dan $\frac{2}{3}$



$\frac{1}{8}$ is groter dan $\frac{1}{9}$



$\frac{3}{10}$ is kleiner dan $\frac{9}{10}$



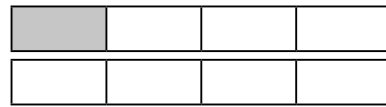
$\frac{3}{7}$ is groter dan $\frac{2}{7}$



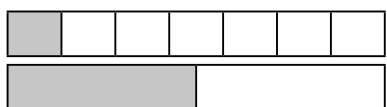
meerdere antwoorden mogelijk



$\frac{1}{5}$ is kleiner dan $\frac{3}{8}$



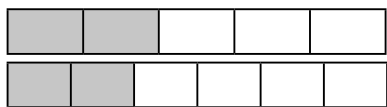
meerdere antwoorden mogelijk



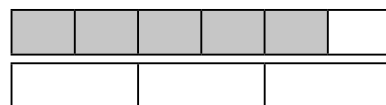
$\frac{1}{7}$ is kleiner dan $\frac{1}{2}$



$\frac{7}{10}$ is kleiner dan $\frac{7}{8}$



$\frac{2}{5}$ is groter dan $\frac{2}{6}$



meerdere antwoorden mogelijk

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

$$\frac{1}{8} \quad \frac{1}{7} \quad \frac{2}{7} \quad \frac{4}{5}$$

$$\frac{2}{11} \quad \frac{8}{9} \quad \frac{8}{8} \quad 2\frac{5}{6}$$

$$\frac{1}{8} \quad \frac{1}{4} \quad \frac{4}{6} \quad 1\frac{1}{8}$$

$$\frac{1}{100} \quad \frac{1}{10} \quad 1\frac{1}{8} \quad 1\frac{1}{6}$$

$$\frac{3}{7} \quad \frac{4}{7} \quad \frac{4}{5} \quad 1\frac{4}{9}$$

$$\frac{7}{19} \quad \frac{5}{6} \quad \frac{29}{30} \quad 2\frac{5}{6}$$

$$\frac{1}{10} \quad \frac{1}{5} \quad \frac{4}{5} \quad 1$$

$$\frac{1}{100} \quad \frac{3}{4} \quad 1\frac{1}{4} \quad 2\frac{1}{4}$$

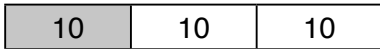
$$\frac{1}{6} \quad \frac{2}{6} \quad \frac{5}{8} \quad 2\frac{1}{6} \quad (\text{want } \frac{2}{6} \text{ is minder dan de helft en } \frac{5}{8} \text{ is meer dan de helft)}$$

$$\frac{3}{8} \quad \frac{7}{10} \quad 2\frac{1}{6} \quad 2\frac{1}{2}$$

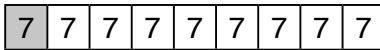
18



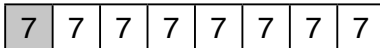
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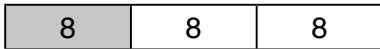
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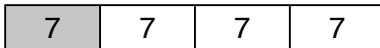
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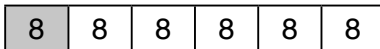
8



7



8



$$24 : 8 = 3$$

$$3 \times 3 = 9$$

3	3	3	3	3	3	3	3
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$$81 : 9 = 9$$

$$5 \times 9 = 45$$

9	9	9	9	9	9	9	9	9
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$$54 : 6 = 9$$

$$5 \times 9 = 45$$

9	9	9	9	9	9
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$$45 : 3 = 15$$

$$2 \times 15 = 30$$

15	15	15
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$$50 : 5 = 10$$

$$2 \times 10 = 20$$

10	10	10	10	10
----	----	----	----	----

$$21 : 7 = 3$$

$$3 \times 3 = 9$$

3	3	3	3	3	3	3
---	---	---	---	---	---	---

$$60 : 10 = 6$$

$$3 \times 6 = 18$$

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

Ja, want $\frac{4}{12} + \frac{4}{12} + \frac{4}{12} = \frac{12}{12} = 1$

$20 : 5 = 4$ en $4 \times 4 = 16$ stukjes

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

$24 : 8 = 3$ en $3 \times 3 = 9$ meisjes
 $\frac{6}{8}$ deel (dat zijn 18 jongens)

$50 : 2 = 25$ kilometer
Driekwart is $\frac{3}{4}$ dus $20 : 4 = 5$ en $3 \times 5 = 15$ kilometer

$60 : 12 = 5$ en $2 \times 5 = 10$ waterijsjes

$60 : 3 = 20$ ijsjes op een stokje

$90 : 3 = 30$ mensen

$125 : 5 = €25$

$25 : 5 = 5$ vierkante meter

Een kwart is $\frac{1}{4}$ dus $36 : 4 = 9$ palen

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

2 helen

1 stuk

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



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

2 helen

1 stuk

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



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

3 helen

1 stuk

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

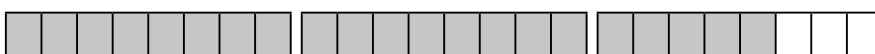


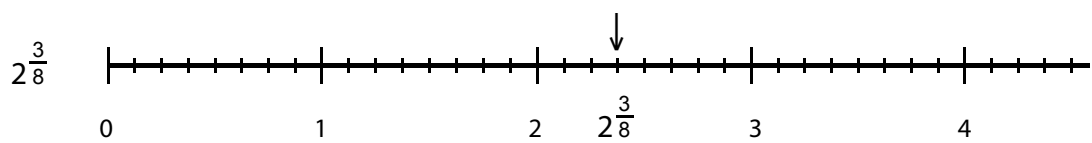
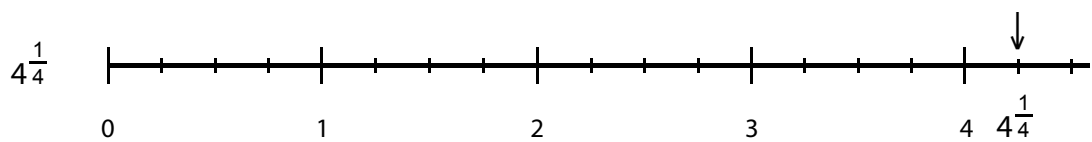
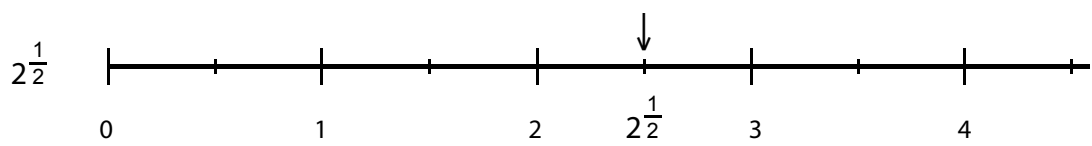
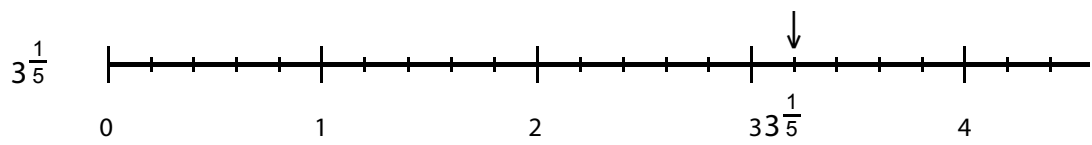
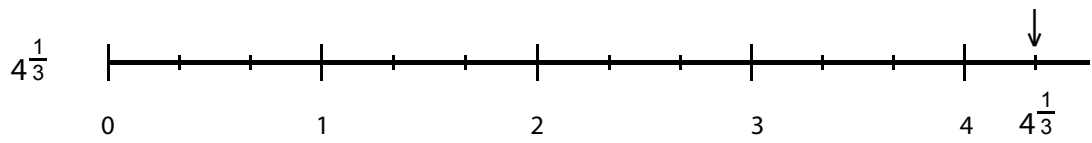
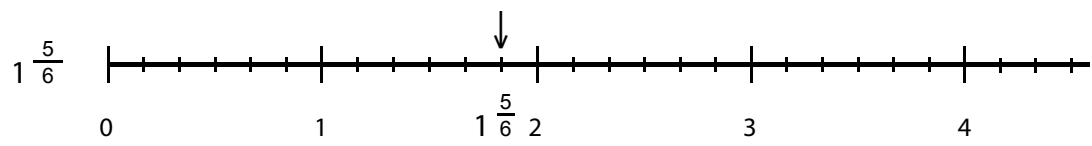
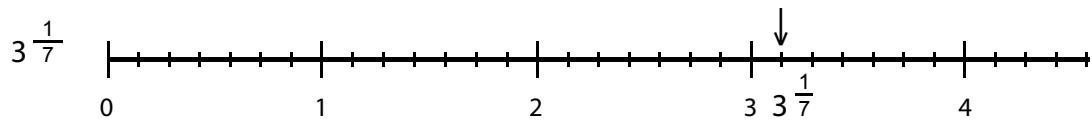
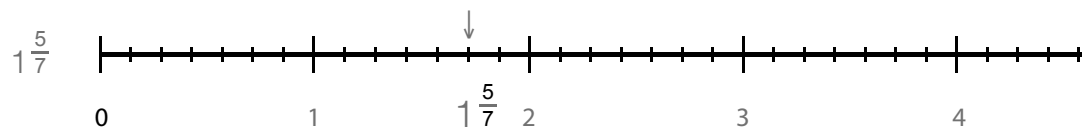
$$\frac{8}{8}$$

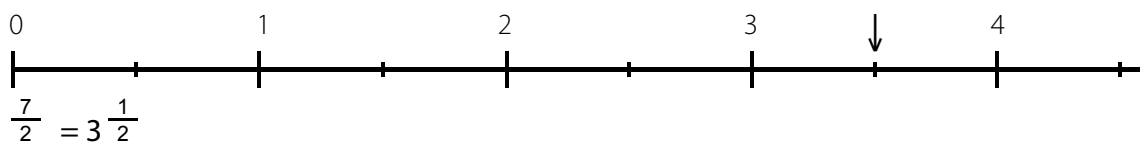
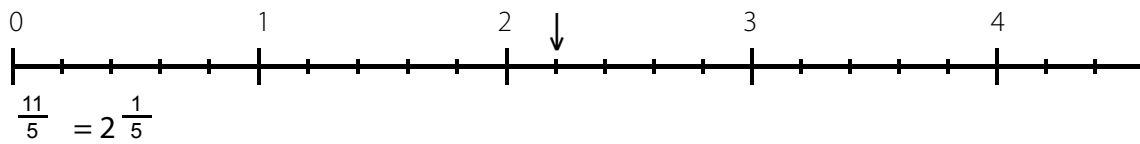
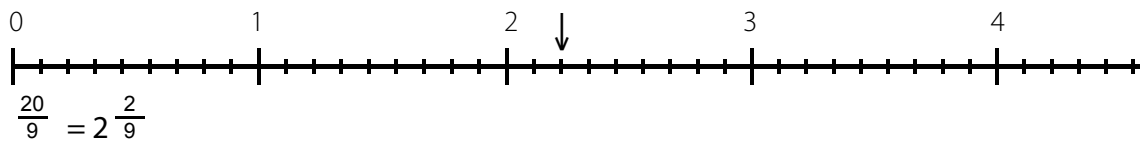
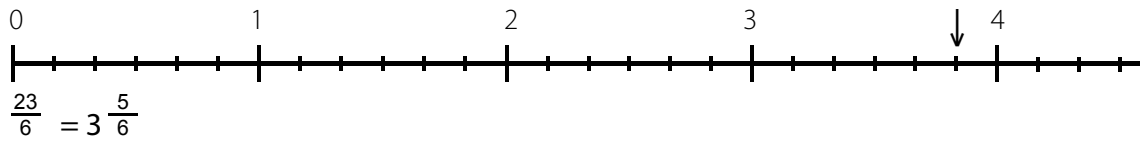
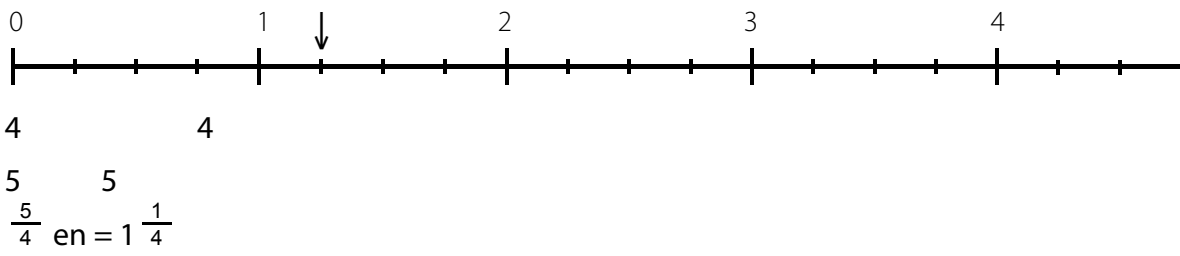
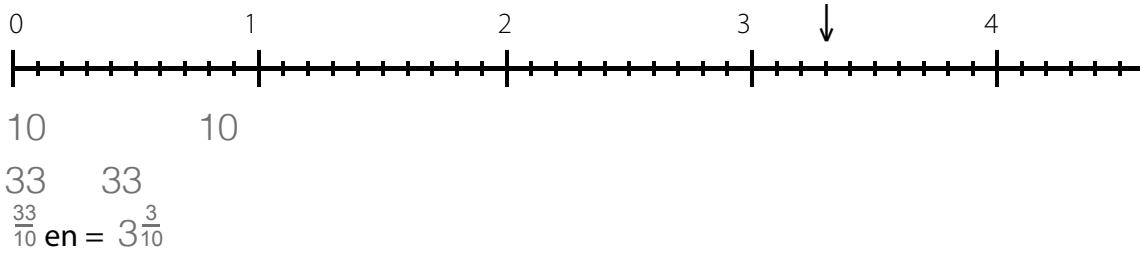
2 helen

5 stukken

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







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

$$\frac{3}{7}$$

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

$$\frac{4}{11}$$

$$\frac{3}{7}$$

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

$$\frac{4}{9}$$

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

$$3\frac{7}{5}$$

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

$$\frac{5}{9}$$

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

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

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

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

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

$$\frac{2}{11}$$

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

$$\frac{5}{11}$$

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

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

$$\frac{4}{9}$$

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

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

$$3\frac{2}{10} + 1\frac{1}{10} = 4\frac{3}{10}$$

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

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

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

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

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

$$4\frac{5}{6}$$

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

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

$$5\frac{7}{11}$$

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

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

$$2\frac{3}{5}$$

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

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

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

$$0$$

$$2$$

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

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

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

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

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

$$19\frac{1}{6}$$

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

$$\frac{12}{21}$$

$$18\frac{9}{12}$$

$$\frac{14}{11} = 1\frac{3}{11}$$

$$5\frac{4}{3} = 6\frac{1}{3}$$

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

$$10\frac{7}{5} = 11\frac{2}{5}$$

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

$$11\frac{10}{7} = 12\frac{3}{7}$$

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

$$7\frac{12}{7} = 8\frac{5}{7}$$

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

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

$$\frac{15}{11} = 1\frac{4}{11}$$

$$11\frac{16}{11} = 12\frac{5}{11}$$

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

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

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

$$10\frac{5}{4} = 11\frac{1}{4}$$

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

$$3\frac{5}{4} = 4\frac{1}{4}$$

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

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

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

$$2\frac{6}{5} = 3\frac{1}{5}$$

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

$$2\frac{8}{5} = 3\frac{3}{5}$$

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

$$12\frac{10}{9} = 13\frac{1}{9}$$

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

$$21\frac{17}{12} = 22\frac{5}{12}$$

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

$$13\frac{4}{3} = 14\frac{1}{3}$$

$$\frac{15}{9} = 1\frac{6}{9}$$

$$21\frac{7}{6} = 22\frac{1}{6}$$

$$\frac{13}{10} = 1\frac{3}{10}$$

$$26\frac{13}{12} = 27\frac{1}{12}$$

$$\frac{9}{7} - \frac{4}{7} = \frac{5}{7}$$

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

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

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

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

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

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

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

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

$$2 \frac{3}{5}$$

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

$$\frac{4}{9}$$

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

$$2 \frac{6}{8} (= 2 \frac{3}{4})$$

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

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

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

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

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

$$8 \times \frac{3}{7} = \frac{24}{7} = 3 \frac{3}{7}$$

$$\frac{4}{9}$$

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

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

$$\frac{2}{11}$$

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

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

$$\frac{5}{7}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

$$\frac{6}{4} = 1 \frac{2}{4} (= 1 \frac{1}{2})$$

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

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

$$\frac{45}{8} = 5 \frac{5}{8}$$

$$\frac{2}{10}$$

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

$$\frac{10}{6} = 1 \frac{4}{6} (= 1 \frac{2}{3})$$

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

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

$$\frac{14}{7} = 2$$

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

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

$$\frac{40}{5} = 8$$

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

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

$$\frac{33}{5} = 6 \frac{3}{5}$$

$$\frac{3}{20}$$

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

$$\frac{50}{7} = 7 \frac{1}{7}$$

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

$$\frac{2}{7} \times 56 = \frac{112}{7} = 16$$

$$\frac{1}{9} \times \text{van } 18 = \frac{18}{9} = 2$$

$$\frac{2}{9} \times 27 = \frac{54}{9} = 6$$

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

$$\frac{2}{7} \times 35 = \frac{70}{7} = 10$$

$$\frac{1}{4} \times 36 = \frac{36}{4} = 9$$

$$\frac{2}{9} \times 45 = \frac{90}{9} = 10$$

$$\frac{1}{2} \times 50 = \frac{50}{2} = 25$$

$$\frac{3}{4} \times 100 = \frac{300}{4} = 75$$

$$\frac{1}{5} \times 45 = \frac{45}{5} = 9$$

$$\frac{3}{8} \times 64 = \frac{192}{8} = 24$$

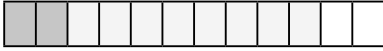
$$\frac{1}{6} \times 48 = \frac{48}{6} = 8$$

$$\frac{8}{9} \times 81 = \frac{648}{9} = 72$$

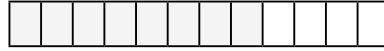
$$\frac{1}{3} \times 21 = \frac{21}{3} = 7$$

$$\frac{2}{3} \times 45 = \frac{90}{3} = 30$$

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



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



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



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



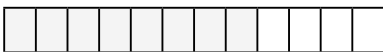
$$\frac{2}{9}$$



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



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



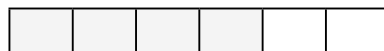
$$\frac{1}{5}$$



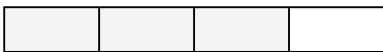
$$\frac{4}{10} (= \frac{2}{5})$$



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



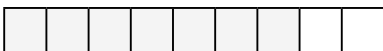
$$\frac{1}{4}$$



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



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



$$\frac{8}{10} : 4 = \frac{2}{10} (= \frac{1}{5})$$



$$\frac{9}{12} : 3 = \frac{3}{12} = \frac{1}{4} \text{ reep}$$

$$\frac{12}{18} : 3 = \frac{4}{18} = \frac{2}{9} \text{ deel cake}$$

$$\frac{12}{12} - \frac{8}{12} = \frac{4}{12} \text{ en dan } \frac{4}{12} : 2 = \frac{2}{12} = \frac{1}{6} \text{ deel}$$

$$4 \text{ van de } 24 = \frac{4}{24} = \frac{1}{6} \text{ deel druiven samen gegeten}$$

$$\frac{6}{24} = \frac{1}{4} \text{ deel samen gegeten}$$
$$\frac{24}{24} - \frac{4}{24} = \frac{20}{24} \text{ en dan } \frac{20}{24} - \frac{6}{24} = \frac{14}{24} = \frac{7}{12} \text{ deel druiven over}$$

$$3 \times 2 \text{ euro} = 6 \text{ euro van de } 36 \text{ euro} = \frac{6}{36} = \frac{1}{6}$$