

Schrijven als een breuk.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$7\frac{1}{6} = \frac{43}{6}$$

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

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

$$3\frac{8}{9} = \frac{35}{9}$$

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

$$3\frac{1}{6} = \frac{19}{6}$$

$$2\frac{5}{8} = \frac{21}{8}$$

$$1\frac{3}{5} = \frac{8}{5}$$

$$5\frac{1}{4} = \frac{21}{4}$$

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



$$8\frac{3}{7} = \frac{59}{7}$$

$$11\frac{1}{2} = \frac{23}{2}$$

$$9\frac{1}{11} = \frac{100}{11}$$

$$13\frac{1}{4} = \frac{53}{4}$$

$$4\frac{7}{9} = \frac{43}{9}$$

$$14\frac{2}{5} = \frac{72}{5}$$

$$8\frac{5}{12} = \frac{101}{12}$$

$$16\frac{2}{5} = \frac{82}{5}$$

$$5\frac{7}{8} = \frac{47}{8}$$

$$12\frac{1}{7} = \frac{85}{7}$$

$$6\frac{4}{13} = \frac{82}{13}$$

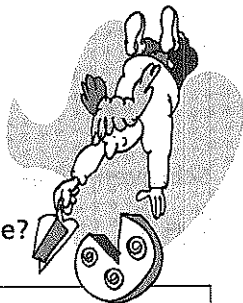
$$14\frac{2}{3} = \frac{44}{3}$$

$$9\frac{5}{6} = \frac{59}{6}$$

$$10\frac{7}{9} = \frac{97}{9}$$

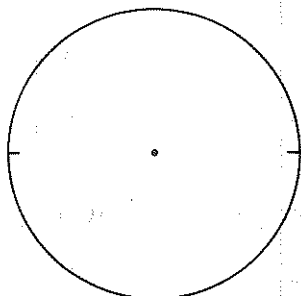
$$7\frac{3}{10} = \frac{73}{10}$$

$$11\frac{4}{7} = \frac{82}{7}$$

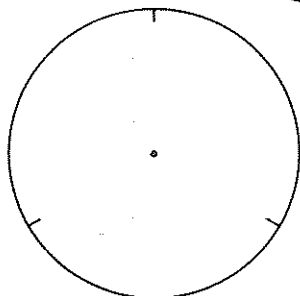


Verbind de streepjes met het midden van de cirkels.

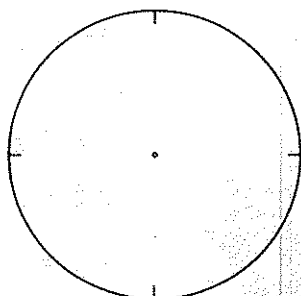
Geef de stukken verschillende kleuren. Hoeveel heb je?



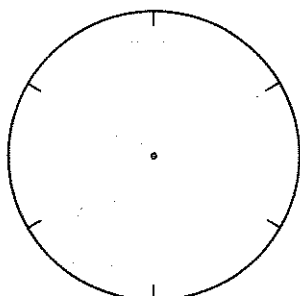
1 hele = $\frac{2}{2}$



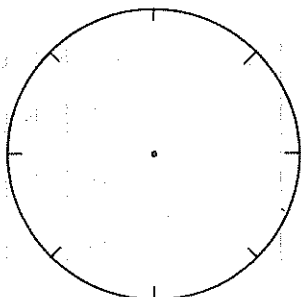
1 hele =



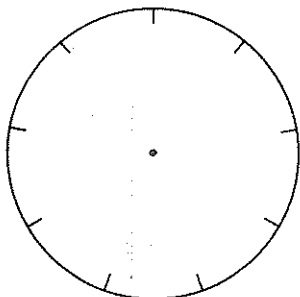
1 hele =



1 hele =



1 hele =



1 hele =

Hoeveel helen zijn het?

$$\frac{2}{2} = \dots \quad \frac{8}{4} = \dots \quad \frac{12}{6} = \dots \quad \frac{18}{3} = \dots$$

$$\frac{6}{2} = \dots \quad \frac{15}{3} = \dots \quad \frac{20}{5} = \dots \quad \frac{24}{4} = \dots$$

$$\frac{6}{3} = \dots \quad \frac{10}{5} = \dots \quad \frac{9}{3} = \dots \quad \frac{25}{5} = \dots$$

$$\frac{4}{2} = \dots \quad \frac{14}{2} = \dots \quad \frac{14}{7} = \dots \quad \frac{36}{6} = \dots$$

$$\frac{16}{8} = \dots \quad \frac{36}{9} = \dots \quad \frac{30}{6} = \dots \quad \frac{22}{2} = \dots$$

$$\frac{40}{5} = \dots \quad \frac{48}{6} = \dots \quad \frac{42}{7} = \dots \quad \frac{36}{3} = \dots$$

$$\frac{54}{6} = \dots \quad \frac{20}{4} = \dots \quad \frac{32}{8} = \dots \quad \frac{52}{4} = \dots$$

$$\frac{18}{9} = \dots \quad \frac{49}{7} = \dots \quad \frac{27}{3} = \dots \quad \frac{70}{5} = \dots$$

Haal de helen eruit.

$$\frac{7}{2} = 3\frac{1}{2} \quad \frac{16}{5} = \dots \quad \frac{75}{8} = \dots \quad \frac{18}{5} = \dots$$

$$\frac{10}{3} = \dots \quad \frac{17}{6} = \dots \quad \frac{59}{7} = \dots \quad \frac{76}{9} = \dots$$

$$\frac{17}{4} = \dots \quad \frac{21}{4} = \dots \quad \frac{35}{6} = \dots \quad \frac{55}{6} = \dots$$

$$\frac{11}{2} = \dots \quad \frac{16}{7} = \dots \quad \frac{38}{9} = \dots \quad \frac{52}{7} = \dots$$

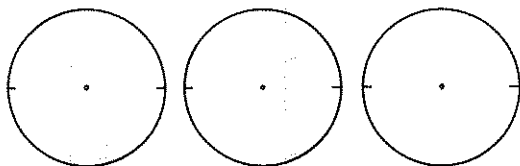
$$\frac{16}{2} = \dots \quad \frac{66}{7} = \dots \quad \frac{48}{8} = \dots \quad \frac{37}{10} = \dots$$

$$\frac{13}{4} = \dots \quad \frac{27}{9} = \dots \quad \frac{19}{2} = \dots \quad \frac{30}{15} = \dots$$

$$\frac{56}{8} = \dots \quad \frac{20}{3} = \dots \quad \frac{99}{11} = \dots \quad \frac{46}{11} = \dots$$

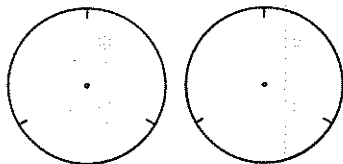
$$\frac{31}{7} = \dots \quad \frac{49}{7} = \dots \quad \frac{37}{12} = \dots \quad \frac{48}{12} = \dots$$

Verbind de streepjes met het midden van de cirkels. Geef de stukjes verschillende kleuren. Hoeveel is het samen? Vul dat in.

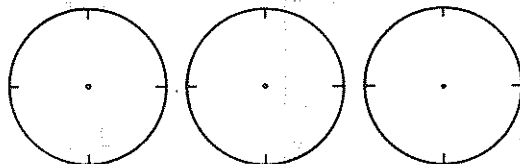


6 halven =

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

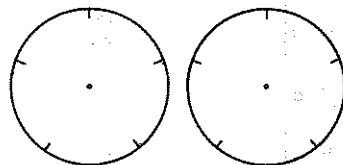


..... = 2 helen = —

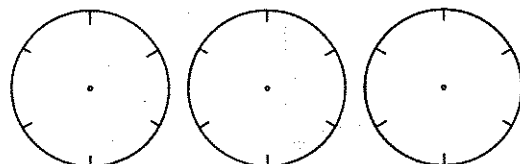


..... =

3 helen = —

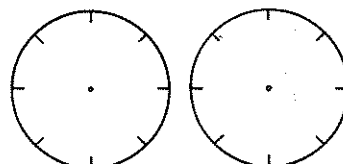


..... = 2 helen = —



..... =

3 helen = —



..... = 2 helen = —

Tel maar op.

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

$$\frac{5}{8} + 4 =$$

$$\frac{2}{9} + 13 =$$

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

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

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

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

$$\frac{4}{7} + 5 =$$

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

$$9 + \frac{3}{7} =$$

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

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

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

$$\frac{4}{11} + \frac{3}{11} =$$

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

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

$$\frac{1}{10} + \frac{8}{10} =$$

$$\frac{5}{14} + \frac{3}{14} =$$

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

$$\frac{5}{16} + \frac{3}{16} =$$

$$\frac{4}{15} + \frac{7}{15} =$$

$$\frac{2}{9} + \frac{5}{9} =$$

$$\frac{2}{13} + \frac{10}{13} =$$

$$\frac{6}{19} + \frac{9}{19} =$$

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

$$8 + 5\frac{1}{3} =$$

$$7\frac{2}{9} + 5\frac{4}{9} =$$

$$5\frac{2}{7} + 4 =$$

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

$$3\frac{3}{8} + 4\frac{1}{8} =$$

$$8\frac{5}{9} + 7 =$$

$$6 + 3\frac{5}{8} =$$

$$2\frac{1}{5} + 8\frac{3}{5} =$$

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

$$7 + 6\frac{3}{7} =$$

$$6\frac{2}{7} + 5\frac{3}{7} =$$

$$14\frac{3}{10} + 7\frac{1}{10} =$$

$$6\frac{1}{8} + 24\frac{5}{8} =$$

$$3\frac{11}{19} + 2\frac{4}{19} =$$

$$18\frac{5}{12} + 6\frac{1}{12} =$$

$$5\frac{1}{9} + 18\frac{7}{9} =$$

$$8\frac{3}{20} + 4\frac{9}{20} =$$

$$19\frac{4}{11} + 5\frac{5}{11} =$$

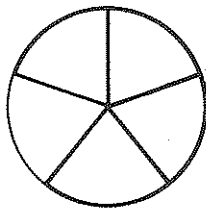
$$8\frac{1}{5} + 26\frac{3}{5} =$$

$$7\frac{5}{18} + 6\frac{7}{18} =$$

$$16\frac{3}{14} + 8\frac{5}{14} =$$

$$7\frac{1}{3} + 38\frac{1}{3} =$$

$$9\frac{2}{17} + 8\frac{11}{17} =$$



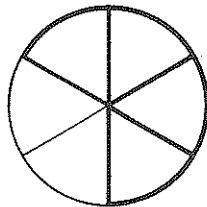
$$\frac{1}{5}$$

+

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

==

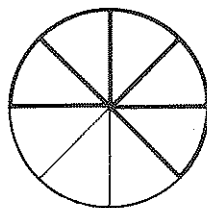
$$\frac{4}{5}$$



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

+

==

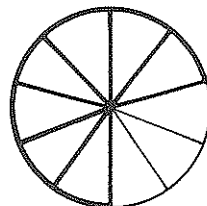


$\frac{3}{8}$

+

◆◆◆◆◆

=====



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

+

==

Aftrekken.

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

$$\frac{4}{11} - \frac{3}{11} =$$

$$\frac{10}{13} - \frac{2}{13} =$$

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

$$\frac{8}{10} - \frac{3}{10} =$$

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

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

$$\frac{7}{16} - \frac{5}{16} =$$

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

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

$$\frac{7}{15} - \frac{4}{15} =$$

$$\frac{9}{10} - \frac{7}{10} =$$

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

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

$$13\frac{7}{10} - \frac{3}{10} =$$

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

$$9\frac{6}{7} - \frac{4}{7} =$$

$$21\frac{9}{11} - \frac{6}{11} =$$

$$7\frac{3}{4} - \frac{1}{4} =$$

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

$$28\frac{8}{15} - \frac{4}{15} =$$

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

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

$$19\frac{12}{13} - \frac{4}{13} =$$

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

$$18\frac{7}{13} - 9\frac{4}{13} =$$

$$28\frac{13}{17} - 12\frac{6}{17} =$$

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

$$23\frac{13}{15} - 4\frac{8}{15} =$$

$$32\frac{7}{12} - 8\frac{6}{12} =$$

$$5\frac{6}{7} - 3\frac{5}{7} =$$

$$17\frac{7}{10} - 8\frac{3}{10} =$$

$$26\frac{9}{13} - 14\frac{6}{13} =$$

$$8\frac{6}{8} - 5\frac{3}{8} =$$

$$25\frac{8}{11} - 6\frac{4}{11} =$$

$$36\frac{11}{19} - 7\frac{4}{19} =$$

Wat komt eruit?

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

$$\frac{59}{7} =$$

$$\frac{45}{9} =$$

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

$$\frac{27}{8} =$$

$$\frac{49}{9} =$$

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

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

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

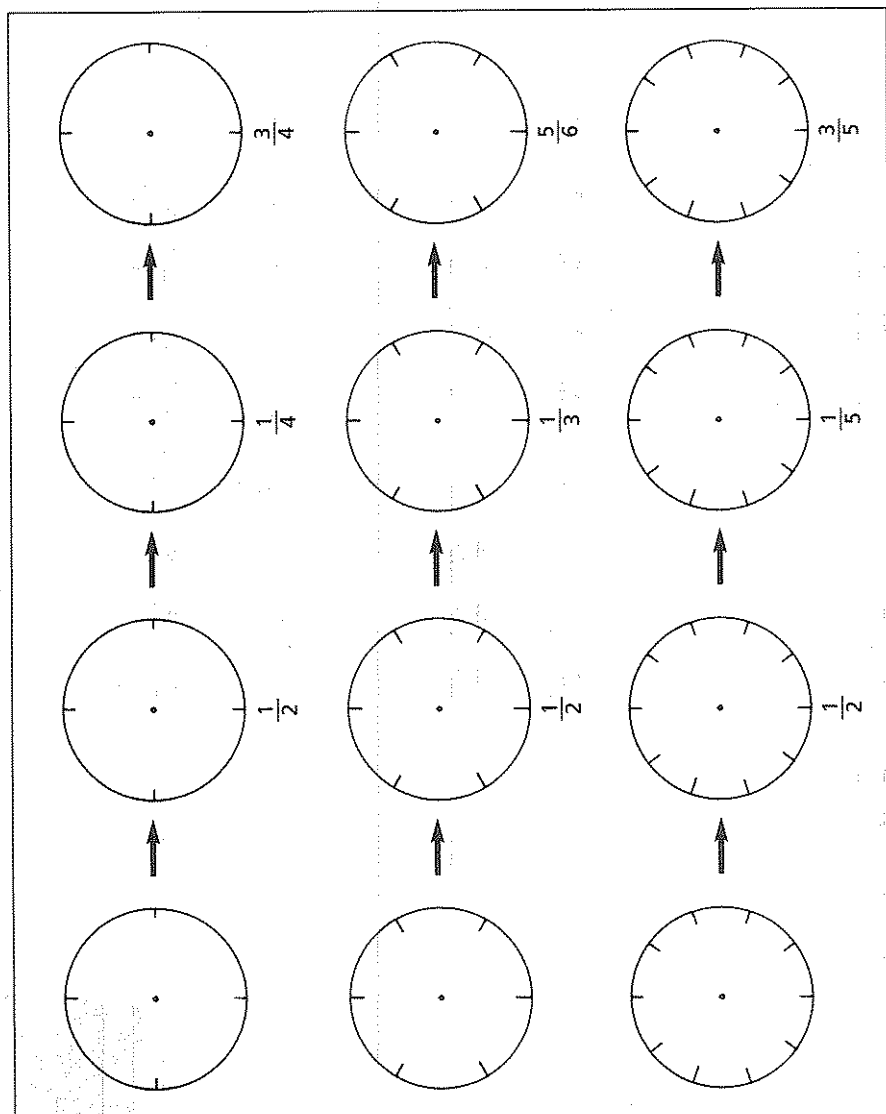
$$3\frac{6}{7} =$$

$$\frac{23}{4} =$$

$$\frac{19}{4} =$$



Trek in alle cirkels lijntjes van de kleine streepjes naar het midden.
Kleur de drie linker cirkels helemaal. Van de andere cirkels kleur je alleen het aangegeven gedeelte.



Optellen. De hele wordt vol.

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

$$2\frac{1}{5} + \frac{4}{5} = 2\frac{5}{5} = 3$$

$$\frac{3}{7} + 5\frac{4}{7} = 5\frac{7}{7} = 6$$

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

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

$$\frac{4}{9} + 3\frac{5}{9} = \dots\dots\dots$$

$$\frac{2}{4} + \frac{2}{4} = \dots\dots\dots$$

$$5\frac{2}{7} + \frac{5}{7} = \dots\dots\dots$$

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

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

$$6\frac{5}{8} + \frac{3}{8} = \dots\dots\dots$$

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

$$5\frac{3}{4} + 2\frac{1}{4} = 7\frac{4}{4} = 8$$

$$4\frac{7}{10} + 2\frac{3}{10} = \dots\dots\dots$$

$$12\frac{1}{3} + 15\frac{2}{3} = \dots\dots\dots$$

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

$$5\frac{3}{11} + 4\frac{8}{11} = \dots\dots\dots$$

$$17\frac{2}{9} + 12\frac{7}{9} = \dots\dots\dots$$

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

$$8\frac{5}{9} + 7\frac{4}{9} = \dots\dots\dots$$

$$11\frac{9}{10} + 14\frac{1}{10} = \dots\dots\dots$$

$$6\frac{3}{5} + 2\frac{2}{5} = \dots\dots\dots$$

$$3\frac{5}{12} + 4\frac{7}{12} = \dots\dots\dots$$

$$14\frac{5}{11} + 13\frac{6}{11} = \dots\dots\dots$$

De hele voorbij.

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

$$\frac{4}{7} + \frac{5}{7} =$$

$$4\frac{2}{9} + \frac{8}{9} = 4\frac{10}{9} = 5\frac{1}{9}$$

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

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

$$6\frac{7}{10} + \frac{6}{10} =$$

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

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

$$9\frac{3}{8} + \frac{7}{8} =$$

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

$$\frac{6}{9} + \frac{5}{9} =$$

$$8\frac{9}{12} + \frac{5}{12} =$$

$$4\frac{5}{9} + 3\frac{6}{9} = 7\frac{11}{9} = 8\frac{2}{9}$$

$$6\frac{5}{8} + 2\frac{7}{8} =$$

$$6\frac{3}{5} + 2\frac{4}{5} =$$

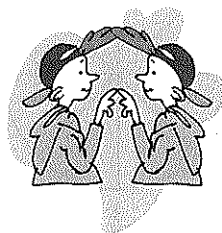
$$4\frac{4}{7} + 6\frac{5}{7} =$$

$$3\frac{5}{6} + 8\frac{2}{6} =$$

$$2\frac{8}{9} + 7\frac{6}{9} =$$

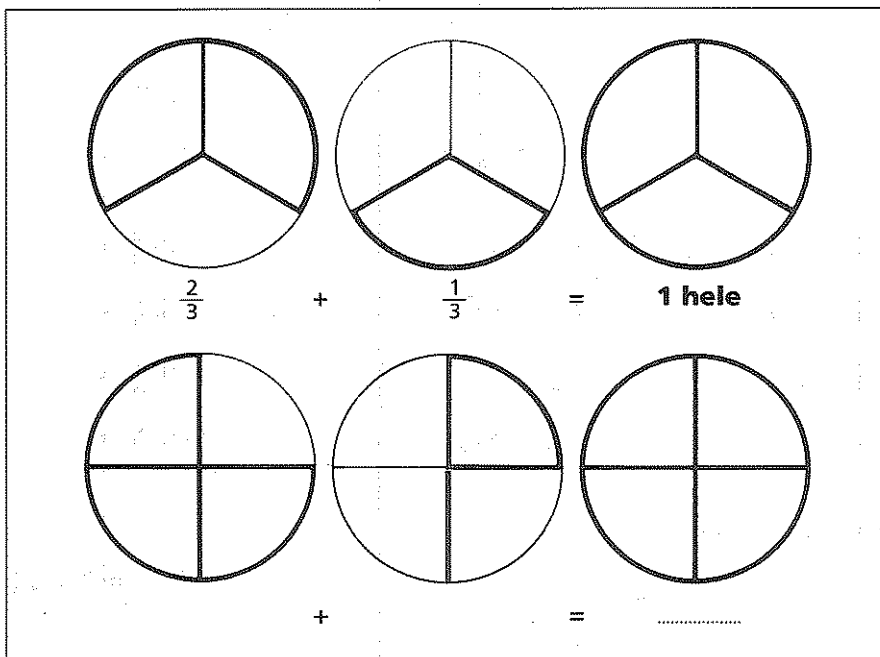
$$9\frac{6}{7} + 6\frac{5}{7} =$$

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



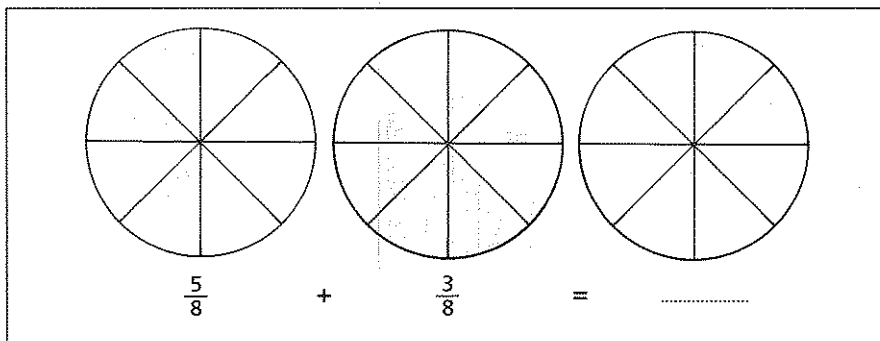
Kleur de dik getekende stukken. Geef elk stuk een andere kleur.

Vul dan in.



In de volgende cirkels is niets vet getekend. Kleur alleen het deel dat eronder staat. Kleur de 'antwoord-cirkel' helemaal.

Wat schrijf je eronder?



Aftrekken.

$1 - \frac{1}{2} = \quad 2 - \frac{1}{6} = \quad 4 - \frac{3}{8} = \quad 9 - \frac{7}{9} =$

$1 - \frac{3}{4} = \quad 3 - \frac{4}{5} = \quad 2 - \frac{1}{5} = \quad 4 - \frac{5}{6} =$

$1 - \frac{2}{3} = \quad 5 - \frac{2}{7} = \quad 8 - \frac{4}{9} = \quad 3 - \frac{4}{7} =$

$1 - \frac{2}{5} = \quad 7 - \frac{1}{4} = \quad 5 - \frac{6}{7} = \quad 5 - \frac{5}{8} =$

$8 - 2\frac{1}{4} = \quad 13 - 9\frac{3}{10} = \quad 28 - 13\frac{3}{8} =$

$5 - 3\frac{2}{5} = \quad 15 - 6\frac{7}{11} = \quad 41 - 15\frac{3}{11} =$

$9 - 2\frac{2}{3} = \quad 18 - 9\frac{5}{12} = \quad 35 - 14\frac{7}{9} =$

$7 - 4\frac{1}{5} = \quad 14 - 7\frac{6}{11} = \quad 23 - 16\frac{11}{12} =$

Vereenvoudig als je kunt.

$5\frac{1}{4} - \frac{3}{4} = 4\frac{5}{4} - \frac{3}{4} = 4\frac{2}{4}$

$7\frac{1}{3} - \frac{2}{3} =$

$6\frac{2}{5} - \frac{4}{5} =$

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

$6\frac{3}{10} - 2\frac{9}{10} =$

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

$7\frac{7}{9} - 4\frac{8}{9} =$

$4\frac{2}{15} - 1\frac{4}{15} =$



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

$25\frac{3}{7} - \frac{6}{7} =$

$14\frac{1}{12} - \frac{5}{12} =$

$23\frac{5}{8} - \frac{7}{8} =$

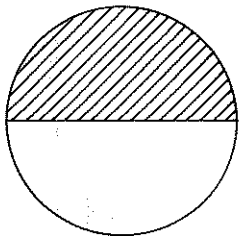
$17\frac{1}{8} - 9\frac{4}{8} =$

$25\frac{3}{7} - 8\frac{6}{7} =$

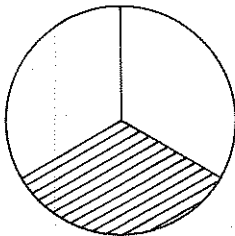
$23\frac{3}{5} - 9\frac{4}{5} =$

$16\frac{4}{9} - 7\frac{8}{9} =$

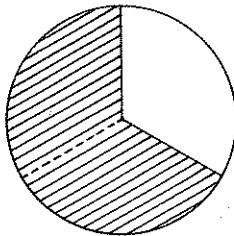
Van de taarten is een deel al op. Dat is gearceerd. Het overgehouden gedeelte moet je kleuren. Wat houdt je over? Vul dat in.



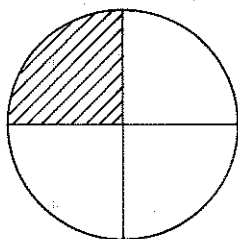
$$1 - \frac{1}{2} =$$



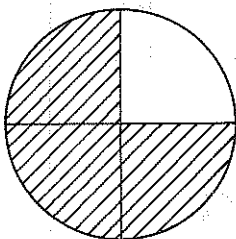
$$1 - \frac{1}{3} =$$



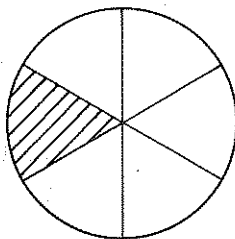
$$1 - \frac{2}{3} =$$



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



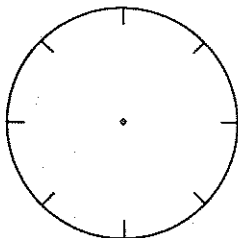
$$1 - \frac{3}{4} =$$



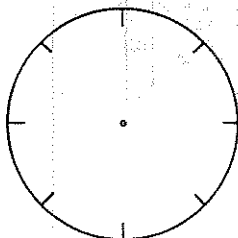
$$1 - \frac{1}{5} =$$

Kijk naar de opgave. Teken en kleur daarna als hierboven.

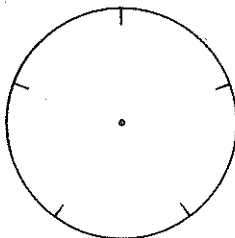
Wat houdt je over?



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



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



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

Vereenvoudig deze breuken.

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

$\frac{6}{8} =$

$\frac{3}{12} =$

$\frac{10}{20} =$

$\frac{5}{20} =$

$\frac{2}{6} =$

$\frac{3}{9} =$

$\frac{6}{10} =$

$\frac{3}{15} =$

$\frac{12}{15} =$

$\frac{4}{8} =$

$\frac{4}{6} =$

$\frac{7}{14} =$

$\frac{10}{15} =$

$\frac{4}{20} =$

$\frac{2}{8} =$

$\frac{5}{10} =$

$\frac{4}{12} =$

$\frac{8}{16} =$

$\frac{6}{12} =$

$\frac{9}{18} =$

$\frac{10}{12} =$

$\frac{15}{18} =$

$\frac{18}{30} =$

$\frac{14}{28} =$

$\frac{6}{15} =$

$\frac{8}{14} =$

$\frac{10}{18} =$

$\frac{10}{14} =$

$\frac{7}{21} =$

$\frac{8}{10} =$

$\frac{16}{20} =$

$\frac{14}{21} =$

$\frac{10}{30} =$

$\frac{8}{20} =$

$\frac{9}{12} =$

$\frac{20}{25} =$

$\frac{15}{20} =$

$\frac{5}{20} =$

$\frac{9}{27} =$

Alle antwoorden kun je vereenvoudigen.

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

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

$\frac{7}{20} - \frac{3}{20} =$

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

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

$\frac{17}{18} - \frac{5}{18} =$

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

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

$\frac{9}{10} - \frac{7}{10} =$

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

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

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

$4\frac{11}{15} + 2\frac{1}{15} =$

$8\frac{7}{10} - 2\frac{3}{10} =$

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

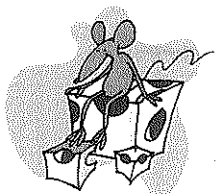
$6\frac{7}{15} - 4\frac{2}{15} =$

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

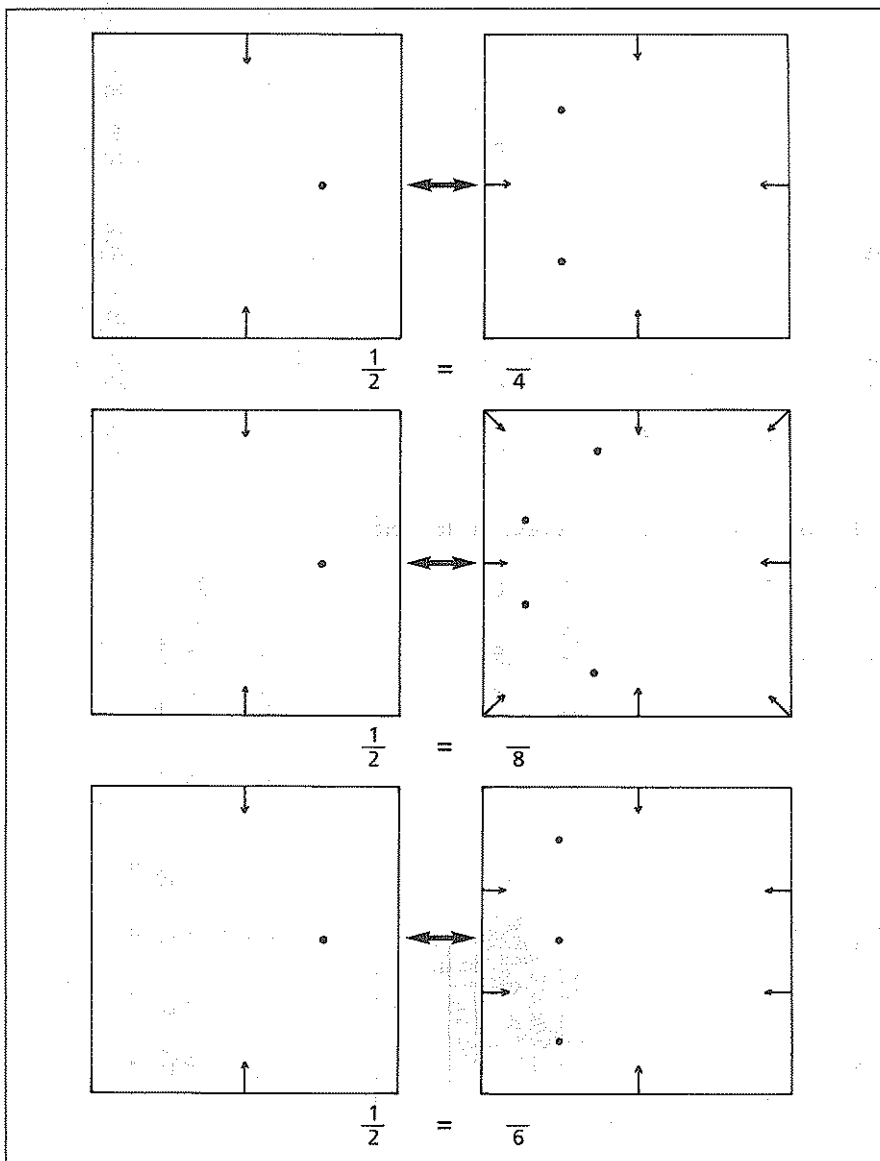
$9\frac{17}{20} - 5\frac{7}{20} =$

$6\frac{9}{20} + 3\frac{3}{20} =$

$5\frac{13}{16} - 3\frac{5}{16} =$



Verbind de pijlpuntjes. Kleur alle stukjes waarin een punt staat.
Dan invullen.



Optellen en aftrekken. Vereenvoudig als dat kan.

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} = 1\frac{1}{2}$$

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

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

$$4\frac{5}{12} + \frac{11}{12} =$$

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

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

$$\frac{4}{9} + \frac{8}{9} =$$

$$2\frac{5}{9} + \frac{7}{9} =$$

$$\frac{3}{10} + \frac{9}{10} =$$

$$6\frac{11}{15} + \frac{7}{15} =$$

$$1\frac{1}{6} - \frac{5}{6} = \frac{7}{6} - \frac{5}{6} = \frac{2}{6} = \frac{1}{3}$$

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

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

$$6\frac{3}{8} - \frac{5}{8} =$$

$$5\frac{2}{9} - \frac{5}{9} =$$

$$4\frac{3}{10} - \frac{9}{10} =$$

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

$$7\frac{2}{15} - \frac{7}{15} =$$

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

$$9\frac{1}{12} - \frac{7}{12} =$$

$$8\frac{5}{11} + 9\frac{8}{11} =$$

$$18\frac{1}{20} + 32\frac{9}{20} =$$

$$5\frac{3}{10} - 2\frac{7}{10} =$$

$$32\frac{1}{20} - 18\frac{9}{20} =$$

$$6\frac{7}{9} + 3\frac{2}{9} =$$

$$12\frac{3}{8} + 17\frac{5}{8} =$$

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

$$17\frac{3}{8} - 12\frac{5}{8} =$$



Nu even anders.

$$14\frac{2}{5} = \frac{\quad}{5}$$

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

$$\frac{75}{8} = 9\frac{3}{8}$$

$$\frac{53}{10} =$$

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

$$4\frac{7}{12} =$$

$$\frac{53}{6} =$$

$$\frac{37}{12} =$$

$$12\frac{1}{8} =$$

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

$$\frac{49}{5} =$$

$$\frac{90}{11} =$$



Verbind 1 en 2.

$$1 \text{ (hele)} = \frac{2}{2}$$

Verbind 3 en 4, 5 en 6.

$$1 \text{ (hele)} =$$

Verbind 7 en 8, 9 en 10.

$$1 \text{ (hele)} =$$

Kleur de hokjes met verschillende kleuren. En vul in.

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

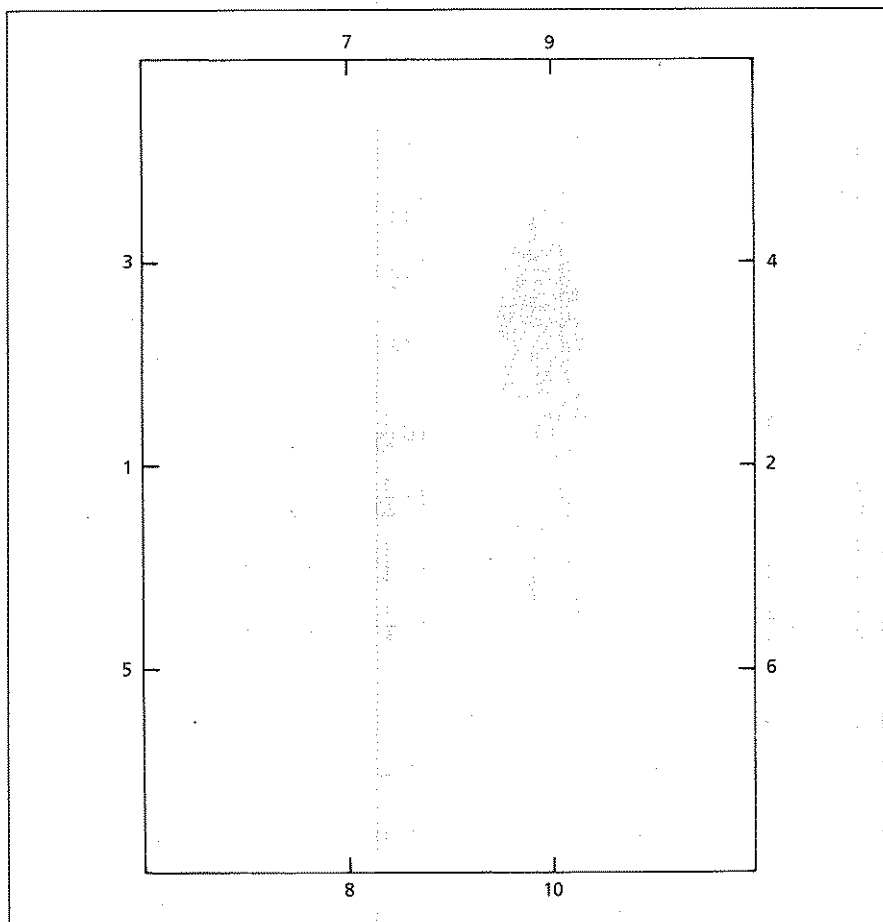
$$\frac{1}{3} = \frac{\quad}{12}$$

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

$$\frac{2}{3} = \frac{\quad}{12}$$

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

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



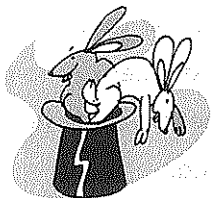
Denk aan het vereenvoudigen.

$$\frac{5}{14} + \frac{11}{14} = \frac{16}{14} = 1\frac{2}{14} = 1\frac{1}{7}$$

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

$$\frac{11}{15} + \frac{7}{15} =$$

$$\frac{7}{9} + \frac{4}{9} =$$



$$5\frac{9}{20} + 6\frac{11}{20} =$$

$$7\frac{2}{15} + 3\frac{4}{15} =$$

$$3\frac{9}{10} + 5\frac{3}{10} =$$

$$4\frac{6}{7} + 6\frac{5}{7} =$$

$$\frac{70}{9} = 7\frac{7}{9}$$

$$8\frac{3}{4} = \frac{35}{4}$$

$$\frac{80}{11} =$$

$$11\frac{2}{3} = \frac{3}{}$$

$$\frac{53}{8} =$$

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

$$\frac{65}{13} =$$

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

$$\frac{29}{6} =$$

$$9\frac{3}{10} =$$

$$\frac{41}{12} =$$

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

$$\frac{40}{7} =$$

$$4\frac{3}{11} =$$

$$\frac{69}{10} =$$

$$14\frac{4}{5} =$$

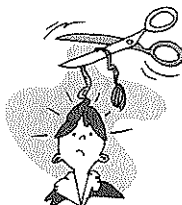
Aftrekken en vereenvoudigen.

$$1\frac{3}{8} - \frac{5}{8} = \frac{11}{8} - \frac{5}{8} = \frac{6}{8} = \frac{3}{4}$$

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

$$5\frac{3}{10} - \frac{7}{10} =$$

$$6\frac{4}{9} - \frac{7}{9} =$$



$$5\frac{9}{10} - 3\frac{7}{10} =$$

$$5\frac{7}{10} - 3\frac{9}{10} =$$

$$8\frac{5}{12} - 2\frac{1}{12} =$$

$$8\frac{1}{12} - 2\frac{5}{12} =$$

Hier moet je soms lenen.

$$3\frac{2}{9} + 4\frac{5}{9} + 7\frac{4}{9} =$$

$$40 - \frac{7}{8} =$$

$$4\frac{4}{15} - 2\frac{7}{15} =$$

$$2\frac{3}{8} + 5\frac{7}{8} + 4\frac{5}{8} =$$

$$40\frac{1}{8} - \frac{7}{8} =$$

$$5\frac{1}{10} - 4\frac{7}{10} =$$

$$5\frac{3}{10} + 2\frac{9}{10} + 8\frac{3}{10} =$$

$$30 - \frac{7}{9} =$$

$$7\frac{3}{20} - 4\frac{7}{20} =$$

$$4\frac{5}{7} + 8\frac{6}{7} + 3\frac{4}{7} =$$

$$30\frac{2}{9} - \frac{7}{9} =$$

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

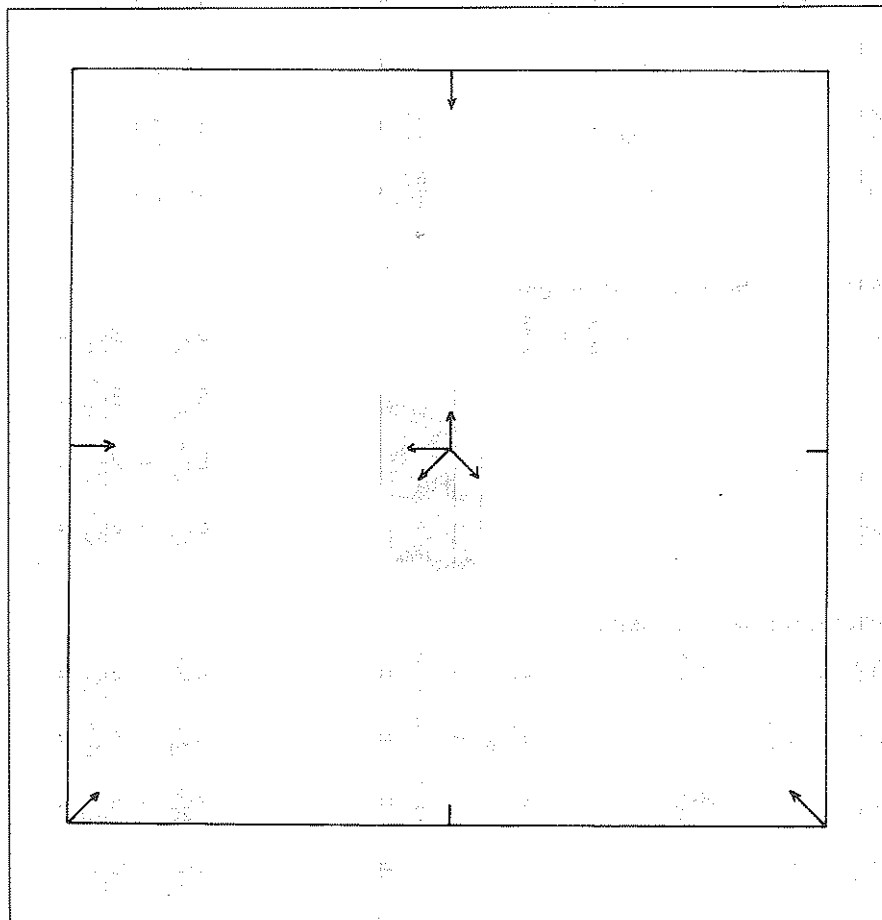
Dit is een dm^2 , een vierkante decimeter. De pijltjes wijzen twee aan twee naar elkaar toe.

Verbind de pijltjes, die naar elkaar toewijzen met elkaar.

Dan verdeel je de dm^2 in vier stukken.

Schrijf in elk stuk welk deel het is van de hele dm^2 .

Kleur deze stukken verschillend.



Vereenvoudig deze breuken.

$$\frac{25}{30} =$$

$$\frac{18}{24} =$$

$$\frac{15}{30} =$$

$$\frac{20}{25} =$$

$$\frac{15}{18} =$$

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

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

$$\frac{24}{30} =$$

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

$$\frac{15}{20} =$$

$$\frac{20}{24} =$$

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

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

$$\frac{5}{30} =$$

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

$$\frac{21}{27} =$$

De noemer verandert.

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

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

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

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

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

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

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

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

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

$$\frac{1}{4} = \frac{\quad}{16}$$

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

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

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

$$\frac{1}{4} = \frac{\quad}{20}$$

$$\frac{3}{4} = \frac{\quad}{20}$$

$$\frac{1}{3} = \frac{\quad}{15}$$

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

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

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

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

$$\frac{1}{5} = \frac{\quad}{15}$$

$$\frac{2}{5} = \frac{\quad}{15}$$

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

$$\frac{5}{6} = \frac{\quad}{12}$$

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

$$\frac{2}{5} = \frac{\quad}{20}$$

$$\frac{4}{5} = \frac{\quad}{20}$$

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

$$\frac{1}{5} = \frac{\quad}{25}$$

$$\frac{2}{5} = \frac{\quad}{25}$$

$$\frac{4}{5} = \frac{\quad}{25}$$

$$\frac{5}{6} = \frac{\quad}{18}$$

$$\frac{1}{3} = \frac{\quad}{6} = \frac{\quad}{12}$$

$$\frac{5}{6} = \frac{\quad}{12} = \frac{\quad}{24}$$

$$\frac{1}{2} = \frac{\quad}{4} = \frac{\quad}{8} = \frac{\quad}{16}$$

$$\frac{3}{4} = \frac{\quad}{8} = \frac{\quad}{16}$$

$$\frac{3}{7} = \frac{\quad}{14} = \frac{\quad}{28}$$

$$\frac{1}{3} = \frac{\quad}{9} = \frac{\quad}{15} = \frac{\quad}{18}$$

$$\frac{2}{5} = \frac{\quad}{10} = \frac{\quad}{20}$$

$$\frac{3}{5} = \frac{\quad}{15} = \frac{\quad}{30}$$

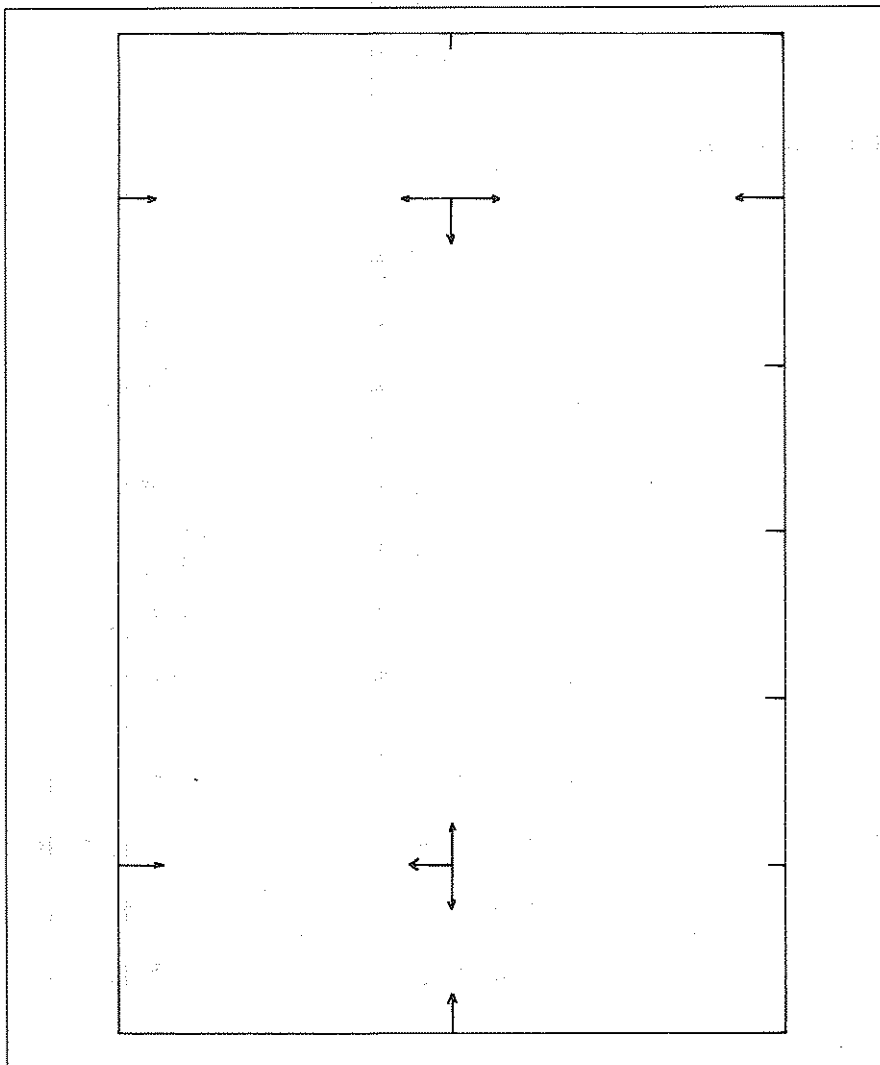
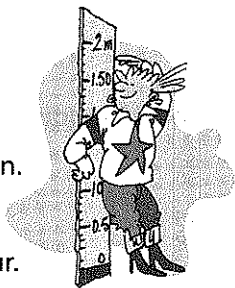
$$\frac{1}{4} = \frac{\quad}{12} = \frac{\quad}{20} = \frac{\quad}{24}$$

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

$$\frac{4}{9} = \frac{\quad}{18} = \frac{\quad}{27}$$

$$\frac{4}{5} = \frac{\quad}{10} = \frac{\quad}{20} = \frac{\quad}{30}$$

Gebruik je liniaal. Verbind de pijltjes die naar elkaar
toewijzen met elkaar. Nu zijn er stukken ontstaan.
Geef deze stukjes verschillende kleuren.
Schrijf in ieder stuk welk deel het is van de hele figuur.



Maak gelijknamig. Vereenvoudig de uitkomst als dat kan.

$$\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4} \quad \frac{1}{2} + \frac{3}{8} = \quad \frac{3}{10} + \frac{1}{2} =$$

$$\frac{1}{3} + \frac{1}{6} = \quad \frac{3}{10} + \frac{1}{5} = \quad \frac{1}{4} + \frac{1}{12} =$$

$$\frac{1}{2} + \frac{1}{8} = \quad \frac{3}{4} + \frac{1}{8} = \quad \frac{1}{3} + \frac{2}{5} =$$

$$\frac{1}{3} + \frac{1}{9} = \quad \frac{2}{3} + \frac{1}{6} = \quad \frac{1}{6} + \frac{7}{12} =$$

$$\frac{1}{2} - \frac{1}{4} = \quad \frac{3}{4} - \frac{3}{8} = \quad \frac{1}{2} - \frac{9}{20} =$$

$$\frac{1}{2} - \frac{3}{10} = \quad \frac{3}{8} - \frac{3}{16} = \quad \frac{2}{3} - \frac{5}{12} =$$

$$\frac{1}{2} - \frac{3}{8} = \quad \frac{4}{5} - \frac{1}{3} = \quad \frac{4}{5} - \frac{7}{10} =$$

$$\frac{1}{2} - \frac{1}{6} = \quad \frac{7}{10} - \frac{2}{5} = \quad \frac{3}{4} - \frac{9}{20} =$$

$$4\frac{3}{10} + 2\frac{3}{5} = 4\frac{3}{10} + 2\frac{6}{10} = 6\frac{9}{10}$$

$$6\frac{2}{3} + 5\frac{2}{9} =$$

$$3\frac{3}{8} + 4\frac{1}{4} =$$

$$2\frac{2}{3} + 4\frac{1}{5} =$$

$$7\frac{2}{5} + 2\frac{3}{10} =$$

$$5\frac{3}{5} + 2\frac{1}{4} =$$

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

$$6\frac{7}{10} + 4\frac{1}{5} =$$

$$7\frac{13}{20} - 4\frac{2}{5} =$$

$$8\frac{17}{30} - 2\frac{2}{5} =$$

$$9\frac{17}{18} - 3\frac{5}{6} =$$

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

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

$$5\frac{3}{4} - 2\frac{3}{7} =$$

$$4\frac{4}{5} - 2\frac{4}{25} =$$

$$9\frac{7}{8} - 3\frac{3}{4} =$$





Wat met stippellijnen is getekend, mag je niet kleuren.

Geef de stukken van iedere opgave dezelfde kleur.

	=		samen $\frac{1}{4}$
	=		samen $\frac{1}{6}$
	=		samen $\frac{1}{8}$
	=		samen $\frac{1}{9}$
	+		$\frac{1}{4}$
	+		$\frac{1}{3} = \frac{2}{6}$
	+		$\frac{1}{8}$
	+		$\frac{2}{9}$
	+		$\frac{1}{2} = \frac{2}{4}$
	+		$\frac{1}{2} = \frac{3}{6}$
	+		$\frac{1}{4} = \frac{2}{8}$
	+		$\frac{2}{3} = \frac{4}{9}$

Gelijknamig maken. Haal de helen eruit en vereenvoudig als dat

kan. Bijvoorbeeld: $2\frac{5}{6} + 3\frac{1}{2} = 2\frac{5}{6} + 3\frac{3}{6} = 5\frac{8}{6} = 6\frac{2}{6} = 6\frac{1}{3}$

$$3\frac{1}{2} + \frac{5}{8} =$$

$$\frac{3}{4} + 6\frac{1}{2} =$$

$$7\frac{2}{3} + \frac{5}{6} =$$

$$\frac{7}{9} + 5\frac{1}{3} =$$

$$6\frac{3}{4} + \frac{7}{8} =$$

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

$$7\frac{3}{5} + 2\frac{7}{10} =$$

$$3\frac{2}{3} + 6\frac{8}{15} =$$

$$4\frac{3}{4} + 9\frac{2}{5} =$$

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

Aftrekken. Denk aan het lenen en aan het vereenvoudigen.

Bijvoorbeeld: $6\frac{1}{4} - 3\frac{7}{12} = 6\frac{3}{12} - 3\frac{7}{12} = 5\frac{15}{12} - 3\frac{7}{12} = 2\frac{8}{12} = 2\frac{2}{3}$

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

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

$$5\frac{1}{2} - \frac{7}{8} =$$

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

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

$$10\frac{1}{4} - 8\frac{2}{5} =$$

$$12\frac{3}{14} - 7\frac{6}{7} =$$

$$15\frac{3}{8} - 4\frac{3}{4} =$$

$$14\frac{1}{12} - 2\frac{1}{3} =$$

$$17\frac{2}{9} - 5\frac{7}{18} =$$

$$9\frac{3}{4} + 2\frac{9}{20} =$$

$$7\frac{7}{15} + 4\frac{1}{3} =$$

$$6\frac{7}{20} + 5\frac{9}{10} =$$

$$8\frac{2}{5} + 3\frac{5}{6} =$$

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

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

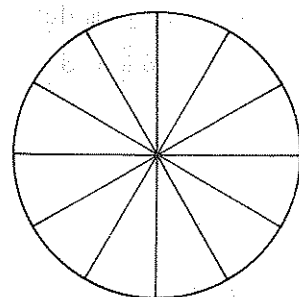
$$7\frac{1}{8} - 2\frac{1}{6} =$$

$$8\frac{2}{3} - 5\frac{1}{2} =$$

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

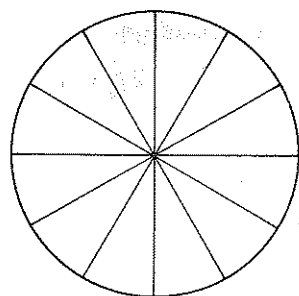
$$6\frac{2}{5} - 2\frac{9}{10} =$$





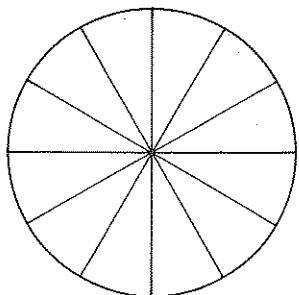
samen $\frac{1}{12}$ kleur dat

||

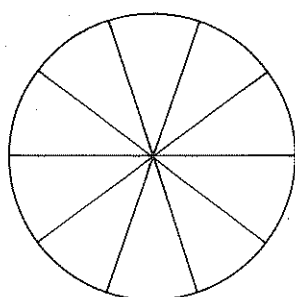


kleur $\frac{2}{12} = \frac{1}{6}$

+

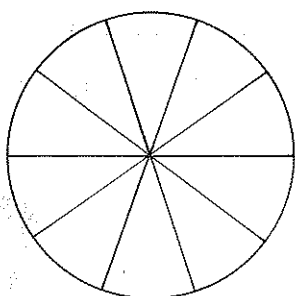


kleur $\frac{1}{4} = \frac{3}{12}$



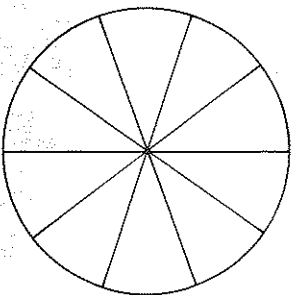
samen $\frac{1}{10}$ kleur dat

||



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

+



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

Optellen. Pas daarna vereenvoudigen.

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

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

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

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

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

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

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

$$=$$

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

$$8\frac{3}{10} =$$

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

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

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

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

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

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

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

=

=

=

$$48\frac{9}{10} =$$

$$64\frac{1}{6} =$$

$$37\frac{7}{9} =$$

$$57\frac{3}{5} =$$

$$28\frac{11}{12} =$$

$$53\frac{2}{3} =$$

=

=

=

Aftrekken.

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

$$6\frac{7}{12} =$$

$$7\frac{13}{15} =$$

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

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

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

Aftrekken met lenen.

$$38$$

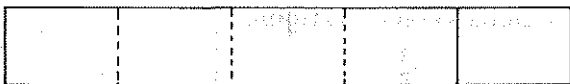
$$318$$

$$572$$

$$\underline{19\frac{3}{8}}$$

$$\underline{124\frac{5}{6}}$$

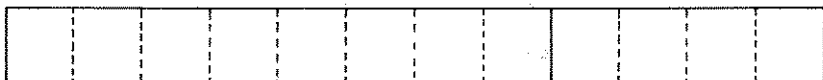
$$\underline{248\frac{3}{4}}$$



Dit is $1\frac{1}{4}$. Kleur de hele balk. Je hebt dus $\frac{5}{4}$. Haal er $\frac{1}{2} = \frac{2}{4}$ af.

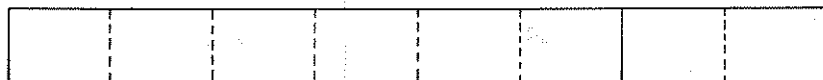
Arceer die $\frac{2}{4}$ met gewoon potlood.

Je houdt over . Dus $1\frac{1}{4} - \frac{1}{2} =$



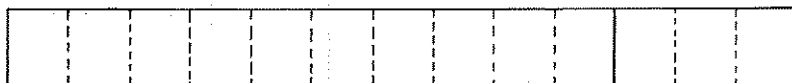
Dit is $1\frac{1}{2} = 1\frac{4}{8}$. Kleuren. Je hebt dus $\frac{5}{8}$. Haal er $\frac{5}{8}$ af. Arceer

met gewoon potlood. Je houdt over . Dus $1\frac{1}{2} - \frac{5}{8} =$



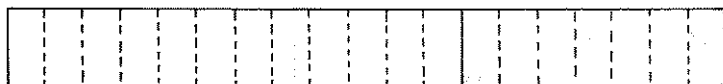
Kleur deze balk. Je hebt hier $1\frac{1}{3} = 1\frac{2}{6}$. Dat is $\frac{5}{6}$. Arceer $\frac{5}{6}$ met gewoon potlood. Dat trek je eraf.

Je houdt over . Dus $1\frac{1}{3} - \frac{5}{6} =$



Kleur deze balk. Hij is . Je hebt dus $\frac{3}{10}$. Daar trek je

$\frac{3}{5} = \frac{6}{10}$ af. Arceren. Je houdt over . Dus $1\frac{3}{10} - \frac{3}{5} =$



Eerst kleuren. De balk stelt voor $1\frac{7}{12} = \frac{19}{12}$. Je moet hier $\frac{2}{3}$

afrekken. Dat is evenveel als $\frac{8}{12}$. Arceren met potlood.

Over . Dus $1\frac{7}{12} - \frac{2}{3} =$

Wat wordt het?

$16\frac{3}{4} = \frac{\quad}{\quad} \quad 13\frac{2}{3} = \frac{\quad}{\quad} \quad 25\frac{5}{6} = \frac{\quad}{\quad}$

$\frac{99}{8} = \frac{\quad}{\quad} \quad \frac{69}{5} = \frac{\quad}{\quad} \quad \frac{53}{12} = \frac{\quad}{\quad}$

Aftrekken, maar eerst gelijknamig maken.

$317\frac{1}{3} = \quad \quad 500\frac{1}{4} = \quad \quad 248\frac{1}{5} = \quad$

$162\frac{7}{12} = \quad - \quad 274\frac{3}{8} = \quad - \quad 94\frac{7}{10} = \quad -$

Tel maar op.

$4\frac{1}{6} + 2\frac{5}{9} = \quad \quad 5\frac{1}{2} + 3\frac{7}{20} = \quad \quad 4\frac{7}{8} + 5\frac{1}{2} = \quad$

$2\frac{2}{3} + 8\frac{2}{5} = \quad \quad 6\frac{2}{3} + 4\frac{4}{15} = \quad \quad 3\frac{5}{6} + 8\frac{1}{5} = \quad$

$7\frac{1}{4} + 3\frac{2}{3} = \quad \quad 8\frac{1}{3} + 2\frac{3}{4} = \quad \quad 6\frac{1}{4} + 3\frac{4}{5} = \quad$

Vereenvoudigen.

$\frac{24}{36} = \quad \quad \frac{33}{88} = \quad$

$\frac{54}{63} = \quad \quad \frac{28}{42} = \quad$

$\frac{16}{24} = \quad \quad \frac{9}{45} = \quad$



$\frac{36}{42} = \quad \quad \frac{64}{72} = \quad$

$\frac{21}{30} = \quad \quad \frac{15}{45} = \quad$

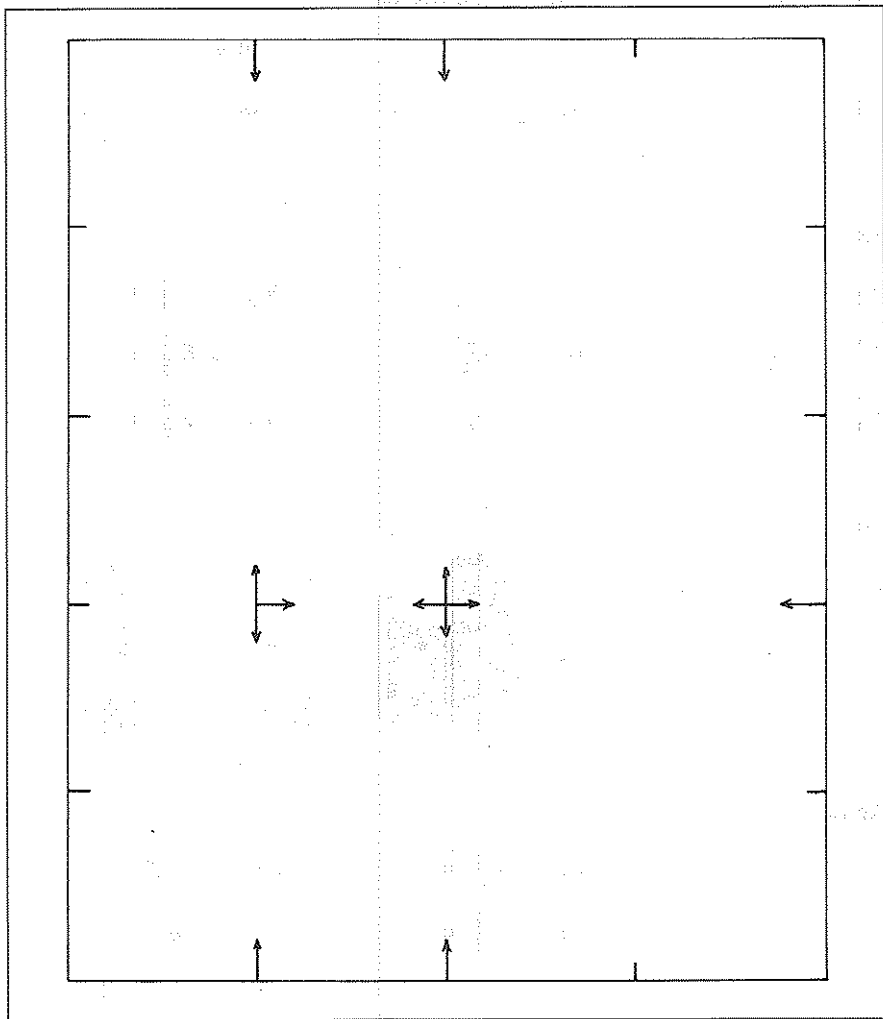
$\frac{45}{50} = \quad \quad \frac{12}{15} = \quad$

Aftrekken.

$10 - 3\frac{3}{8} = \quad \quad 25 - 1\frac{3}{10} = \quad \quad 27\frac{1}{5} - 3\frac{9}{10} = \quad$

$20 - 4\frac{7}{9} = \quad \quad 19 - 2\frac{2}{3} = \quad \quad 14\frac{2}{5} - 8\frac{2}{3} = \quad$

Als je alle pijltjes en streepjes verbindt, dan zie je gemakkelijk dat
1 hele = . Maar je mag alleen de pijlpuntjes verbinden.
Dan zijn er stukken. Geef deze stukken verschillende kleuren.
Bekijk de hele figuur daarna goed! Schrijf dan in ieder stuk welk
deel het is van het geheel.



Kijk wat er verandert.

$$\frac{2}{3} = \frac{\quad}{24}$$

$$\frac{4}{7} = \frac{\quad}{28}$$

$$\frac{7}{12} = \frac{\quad}{36}$$

$$\frac{3}{4} = \frac{15}{\quad}$$

$$\frac{3}{5} = \frac{\quad}{30}$$

$$\frac{3}{10} = \frac{9}{\quad}$$

$$\frac{1}{2} = \frac{\quad}{22}$$

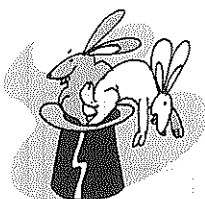
$$\frac{1}{6} = \frac{3}{\quad}$$

Gelijknamig maken en aftrekken.

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

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

$$6\frac{3}{8} - 2\frac{7}{12} =$$



$$4\frac{3}{10} - 2\frac{3}{5} =$$

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

$$9\frac{5}{12} - 7\frac{1}{2} =$$

Eerst gelijknamig maken.

$$751\frac{2}{3} =$$

$$902\frac{1}{2} =$$

$$462\frac{3}{15} =$$

$$48\frac{5}{9} =$$

$$491\frac{4}{5} =$$

$$30\frac{1}{3} =$$

$$307\frac{1}{6} = \underline{\quad\quad} +$$

$$72\frac{3}{10} = \underline{\quad\quad} +$$

$$517\frac{3}{5} = \underline{\quad\quad} +$$

=

=

=

Aftrekken.

$$48$$

$$95\frac{1}{3}$$

$$57\frac{1}{4} =$$

$$300\frac{2}{5} =$$

$$\underline{23\frac{3}{7}} -$$

$$\underline{38\frac{2}{3}} -$$

$$23\frac{11}{12} = \underline{\quad\quad} -$$

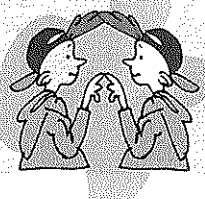
$$198\frac{7}{10} = \underline{\quad\quad} -$$

Tel maar op.

$$7\frac{2}{7} + 8\frac{3}{14} =$$

$$2\frac{8}{9} + \frac{2}{3} =$$

$$\frac{5}{6} + 3\frac{11}{12} =$$

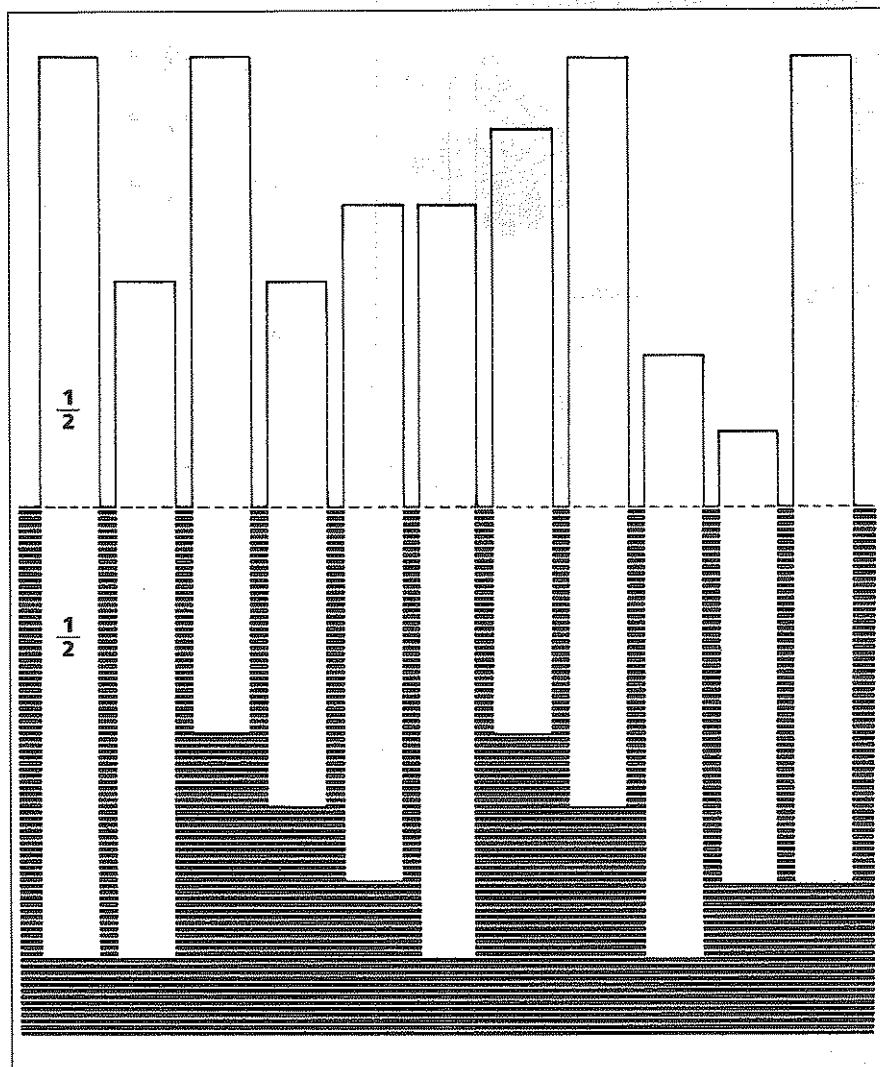


$$5\frac{7}{8} + 3\frac{1}{3} =$$

$$2\frac{5}{9} + \frac{5}{6} =$$

$$\frac{3}{11} + 8\frac{1}{2} =$$

Deze palen zitten voor een gedeelte in de grond. Meet de palen. Schrijf in iedere paal welk deel zich boven en welk deel zich in de grond bevindt. Ga ze dan kleuren: gebruik boven de grond en onder de grond een verschillende kleur.



Vermenigvuldigen met breuken.

$$\frac{1}{3} \times 12 = \dots\dots\dots$$

$$\frac{1}{5} \times 25 = \dots\dots\dots$$

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

$$\frac{2}{3} \times 12 = \dots\dots\dots$$

$$\frac{4}{5} \times 25 = \dots\dots\dots$$

$$\frac{5}{6} \times 18 = \dots\dots\dots$$

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

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

$$\frac{1}{3} \times 27 = \dots\dots\dots$$

$$\frac{3}{4} \times 8 = \dots\dots\dots$$

$$\frac{1}{8} \times 24 = \dots\dots\dots$$

$$\frac{2}{3} \times 27 = \dots\dots\dots$$

$$10 \times \frac{3}{5} = \dots\dots\dots$$

$$\frac{1}{4} \times 40 = \dots\dots\dots$$

$$1\frac{1}{6} \times 42 = \dots\dots\dots$$

$$\frac{4}{7} \times 14 = \dots\dots\dots$$

$$50 \times \frac{3}{5} = \dots\dots\dots$$

$$2\frac{1}{3} \times 12 = \dots\dots\dots$$

$$18 \times \frac{4}{9} = \dots\dots\dots$$

$$\frac{7}{8} \times 32 = \dots\dots\dots$$

$$3\frac{1}{2} \times 10 = \dots\dots\dots$$

$$\frac{2}{3} \times 15 = \dots\dots\dots$$

$$30 \times \frac{5}{6} = \dots\dots\dots$$

$$2\frac{3}{4} \times 12 = \dots\dots\dots$$

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

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

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

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

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

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

$$4 \times 5\frac{2}{7} =$$

$$2 \times 1\frac{8}{9} =$$

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

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

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

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

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

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

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

$$7 \times \frac{3}{4} =$$

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

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

$$3 \times 5\frac{4}{7} =$$

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



1

Verdeel deze balk in cm. Vul daarna in:

$$\frac{1}{3} = \dots\dots\dots \text{ cm}$$

$$\frac{2}{3} = \dots\dots\dots \text{ cm} \quad \text{òf}$$

$$\frac{1}{3} \times 9 \text{ cm} = \dots\dots\dots \text{ cm}$$

$$\frac{2}{3} \times 9 \text{ cm} = \dots\dots\dots \text{ cm}$$

Geef de eerste drie cm een kleur. De volgende drie cm een tweede kleur, en de laatste kleur je weer anders.

2

Kleur het balkje hierboven en verdeel in:

$$\frac{1}{5} = \dots\dots\dots \text{ cm}$$

$$\frac{2}{5} = \dots\dots\dots \text{ cm}$$

$$\frac{3}{5} = \dots\dots\dots \text{ cm}$$

$$\frac{4}{5} = \dots\dots\dots \text{ cm} \quad \text{òf}$$

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

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

$$\frac{3}{5} \times 10 = \dots\dots\dots$$

$$\frac{4}{5} \times 10 = \dots\dots\dots$$

Kleur tenslotte de blokjes verschillend.

3

Verdeel de balk hierboven in halve cm.

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

$$\frac{2}{3} \times 18 = \dots\dots\dots$$

Kleur de delen verschillend.



4

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

$$\frac{2}{5} \times 20 = \dots\dots\dots$$

$$\frac{3}{5} \times 20 = \dots\dots\dots$$

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

Teken dit hieronder als een balk van 10 cm. Verdeel hem eerst in halve cm. Kleur het daarna als hierboven.

Delen met breuken.

$$\frac{9}{14} : 3 = \quad \frac{6}{7} : 3 = \quad 2\frac{2}{3} : 4 = \quad 7\frac{1}{7} : 10 =$$

$$\frac{12}{17} : 4 = \quad \frac{12}{13} : 6 = \quad 3\frac{3}{4} : 5 = \quad 9\frac{3}{5} : 12 =$$

$$\frac{10}{11} : 2 = \quad \frac{21}{23} : 7 = \quad 2\frac{2}{5} : 3 = \quad 4\frac{4}{9} : 8 =$$

$$\frac{8}{9} : 4 = \quad \frac{16}{19} : 4 = \quad 4\frac{2}{3} : 7 = \quad 8\frac{1}{4} : 11 =$$

$$8\frac{5}{9} : 7 = \quad 11\frac{2}{3} : 7 = \quad 24\frac{3}{4} : 9 = \quad 6\frac{1}{9} : 11 =$$

$$5\frac{3}{5} : 4 = \quad 14\frac{2}{5} : 8 = \quad 10\frac{1}{2} : 3 = \quad 7\frac{1}{5} : 12 =$$

$$9\frac{1}{6} : 5 = \quad 12\frac{1}{2} : 5 = \quad 23\frac{1}{3} : 7 = \quad 9\frac{3}{4} : 13 =$$

$$7\frac{1}{2} : 3 = \quad 13\frac{1}{3} : 8 = \quad 17\frac{3}{5} : 8 = \quad 7\frac{7}{9} : 14 =$$

$$7 : 2 = 3\frac{1}{2} \quad 10 : 3 = \quad 35 : 8 = \quad 75 : 12 =$$

$$7 : 3 = \quad 15 : 4 = \quad 40 : 7 = \quad 40 : 13 =$$

$$7 : 4 = \quad 20 : 6 = \quad 35 : 6 = \quad 60 : 11 =$$

$$7 : 5 = \quad 14 : 5 = \quad 44 : 9 = \quad 35 : 14 =$$

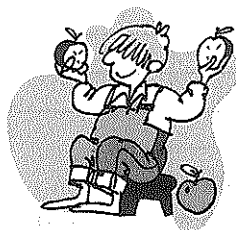
Doe het ook eens op deze manier: $7 : 4 = 7 \times \frac{1}{4} = \frac{7}{4} = 1\frac{3}{4}$

$$12 : 5 = \quad 45 : 6 =$$

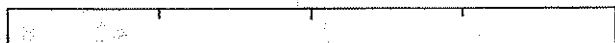
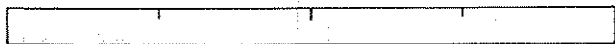
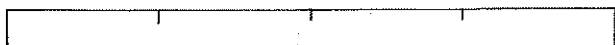
$$18 : 4 = \quad 53 : 9 =$$

$$25 : 8 = \quad 59 : 7 =$$

$$30 : 7 = \quad 60 : 8 =$$



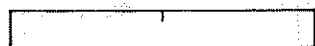
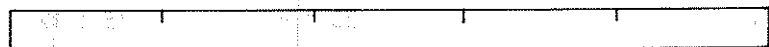
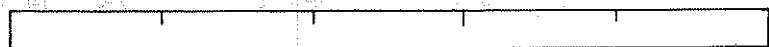
1



Teken de verdeelstreepjes verder. Je hebt dan 3 helen en $\frac{3}{4}$,
dus $3\frac{3}{4} = \frac{15}{4}$. Verdeel die in 5 gedeelten. Ieder deel wordt
dan: $3\frac{3}{4} : 5 = \frac{15}{4} : 5 = \frac{3}{4}$.

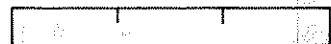
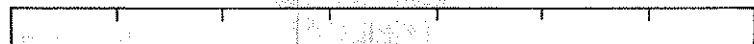
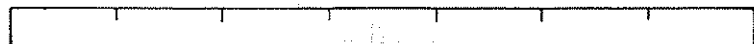
Geef de 5 stukjes een verschillende kleur.

2



Hierboven zie je $2\frac{2}{5} = \frac{12}{5}$. Verdeel die in 3 delen. Kleur de
stukjes verschillend. Vul ook in $2\frac{2}{5} : 3 =$

3



Hierboven zie je $3\frac{3}{7} : 8 =$ Werk daarmee als hierboven.

Vermenigvuldigen.

$$5 \times 3\frac{3}{8} = \quad 4\frac{3}{7} \times 8 = \quad 5\frac{1}{7} \times 35 =$$

$$6 \times 4\frac{2}{3} = \quad 5\frac{7}{9} \times 3 = \quad 2\frac{5}{8} \times 24 =$$

$$9 \times 5\frac{1}{8} = \quad 8\frac{2}{5} \times 7 = \quad 6\frac{2}{3} \times 30 =$$

$$4 \times 7\frac{2}{9} = \quad 3\frac{3}{4} \times 9 = \quad 4\frac{2}{5} \times 25 =$$

Optellen en aftrekken.

$$84\frac{2}{3} = \quad 93\frac{1}{3} = \quad 75\frac{4}{5} =$$

$$36\frac{5}{9} = \quad + \quad 25\frac{3}{5} = \quad - \quad 23\frac{7}{10} = \quad +$$

$$= \quad = \quad =$$

Delen.

$$3\frac{1}{5} : 4 = \quad 7\frac{1}{7} : 5 = \quad 43\frac{3}{4} : 7 =$$

$$5\frac{2}{5} : 9 = \quad 9\frac{1}{3} : 4 = \quad 33\frac{1}{3} : 5 =$$

$$3\frac{3}{7} : 6 = \quad 4\frac{2}{7} : 3 = \quad 28\frac{4}{7} : 8 =$$

$$4\frac{3}{8} : 7 = \quad 6\frac{1}{4} : 5 = \quad 16\frac{2}{3} : 5 =$$

Aftrekken.

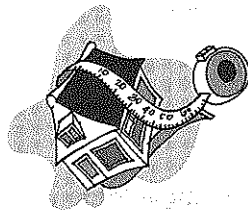
$$9\frac{1}{2} - 3\frac{9}{14} = \quad 8\frac{2}{9} - 7\frac{7}{9} = \quad 17\frac{2}{3} - 2\frac{5}{6} =$$

$$7\frac{3}{10} - 2\frac{3}{5} = \quad 10\frac{2}{7} - 8\frac{3}{4} = \quad 15\frac{3}{8} - 3\frac{1}{4} =$$

Helen eruithalen en vereenvoudigen.

$$\frac{92}{12} = 7\frac{8}{12} = 7\frac{2}{3} \quad \frac{130}{15} = \quad \frac{152}{16} =$$

$$\frac{108}{8} = \quad \frac{180}{25} = \quad \frac{102}{10} =$$



Hieronder zie je de plattegrond van een huis.

1 Meet de lijnen en schrijf overal de werkelijke afmetingen bij.

2 De totale oppervlakte is m²

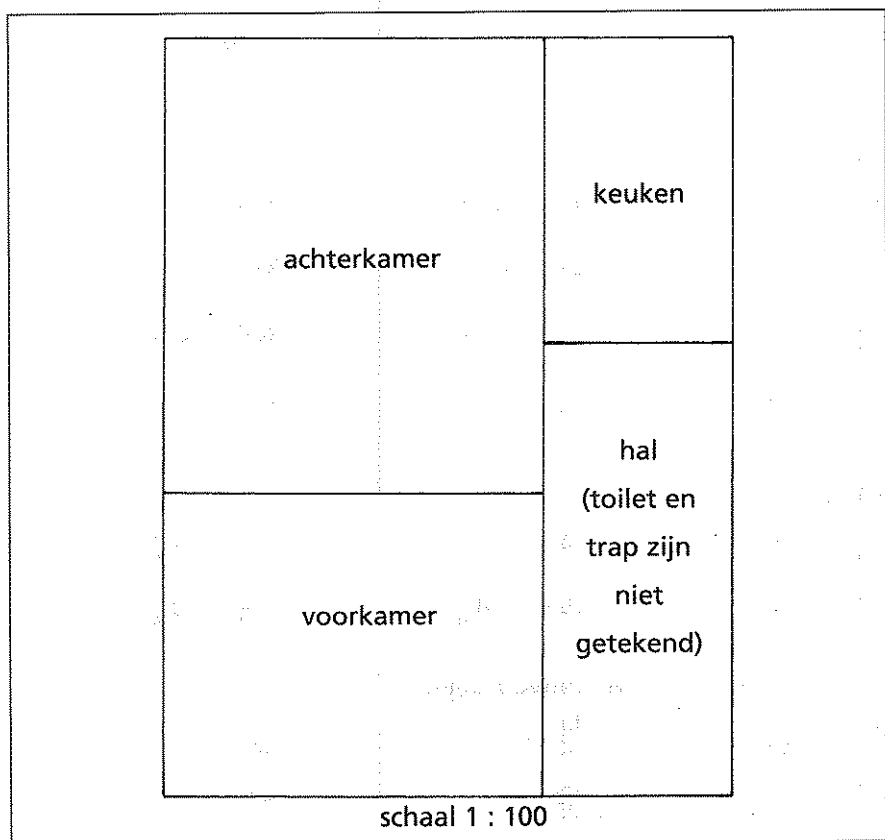
De oppervlakte van de voorkamer is m²

De oppervlakte van de achterkamer is m²

De oppervlakte van de keuken is m²

De oppervlakte van de hal is m²

3 Schrijf in ieder vertrek welk deel het is van het geheel (vereenvoudigen!). Geef de vertrekken verschillende kleuren.



Vermenigvuldigen met breuken.

$$\begin{array}{llll} \frac{1}{2} \times \frac{1}{2} = & \frac{1}{4} \times \frac{1}{7} = & \frac{1}{5} \times \frac{3}{4} = & \frac{2}{3} \times \frac{4}{5} = \\ \frac{1}{3} \times \frac{1}{3} = & \frac{1}{3} \times \frac{1}{4} = & \frac{1}{2} \times \frac{5}{7} = & \frac{2}{9} \times \frac{1}{3} = \\ \frac{1}{4} \times \frac{1}{2} = & \frac{1}{5} \times \frac{1}{3} = & \frac{1}{4} \times \frac{3}{5} = & \frac{3}{7} \times \frac{1}{4} = \end{array}$$

Nieuwe noemers.

$$\begin{array}{llll} \frac{5}{7} = \frac{\quad}{84} & \frac{8}{9} = \frac{\quad}{72} & \frac{5}{8} = \frac{\quad}{56} & \frac{5}{6} = \frac{45}{\quad} \\ \frac{1}{4} = \frac{\quad}{36} & \frac{2}{3} = \frac{\quad}{51} & \frac{3}{4} = \frac{\quad}{100} & \frac{3}{10} = \frac{60}{\quad} \end{array}$$

Haal de helen eruit.

$$\begin{array}{lll} 4 \times 5\frac{6}{7} = & 5 \times 6\frac{2}{7} = & \frac{2}{5} \times 35 = \dots\dots \\ 2 \times 8\frac{8}{9} = & 6 \times 8\frac{3}{5} = & 48 \times \frac{5}{6} = \dots\dots \\ 7 \times 3\frac{3}{4} = & 8 \times 2\frac{5}{6} = & \frac{3}{7} \times 49 = \dots\dots \end{array}$$

Optellen en aftrekken.

$$\begin{array}{l} 4\frac{1}{2} + 3\frac{1}{4} + 2\frac{5}{8} = \\ 7\frac{2}{3} + 2\frac{1}{6} + 3\frac{4}{9} = \\ 3\frac{3}{4} + 5\frac{1}{3} + 4\frac{1}{6} = \end{array}$$



$$\begin{array}{l} 80 - 2\frac{1}{2} - 3\frac{1}{3} = \\ 40 - 4\frac{2}{5} - 5\frac{1}{10} = \\ 70 - 3\frac{1}{3} - 4\frac{5}{9} = \end{array}$$

Delen.

$$\begin{array}{llll} \frac{24}{25} : 4 = & 17 : 5 = & 3\frac{1}{3} : 5 = & 14\frac{2}{5} : 9 = \\ \frac{18}{31} : 9 = & 24 : 7 = & 2\frac{7}{9} : 5 = & 13\frac{4}{5} : 3 = \\ \frac{15}{19} : 5 = & 32 : 6 = & 4\frac{2}{7} : 6 = & 18\frac{2}{3} : 8 = \end{array}$$

Werk van boven naar beneden.

1 rij A: telkens $\frac{3}{4}$ meer

rij B: telkens $\frac{5}{8}$ minder

rij C: telkens $\frac{3}{5}$ minder

rij D: telkens $\frac{1}{3}$ meer

rij E: telkens $\frac{5}{6}$ minder

2 Kleur de vakjes waarin een antwoord staat, dat vereenvoudigd kon worden.

3 Tel de onderste antwoorden samen. Totaal:

	A	B	C	D	E
1	$3\frac{1}{4}$	$9\frac{3}{4}$	$8\frac{9}{10}$	$2\frac{11}{15}$	$8\frac{1}{6}$
2					
3					
4					
5					
6					
7					
8					
9					
	A	B	C	D	E

Wegstrepen. Bijvoorbeeld:

$$\frac{2}{5_1} \times \frac{5_1}{9} = \frac{2}{9}$$

$$\frac{3_1}{5_1} \times \frac{5_1}{9_3} = \frac{1}{3}$$

$$\frac{2_1}{5_1} \times \frac{9_3}{10_5} = \frac{3}{5}$$

$$\frac{2}{3} \times \frac{6}{7} =$$

$$\frac{3}{4} \times \frac{4}{7} =$$

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

$$\frac{9}{10} \times \frac{2}{3} =$$

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

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

$$\frac{2}{7} \times \frac{7}{8} =$$

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

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

$$\frac{5}{6} \times \frac{3}{8} =$$

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

$$\frac{4}{9} \times \frac{3}{8} =$$

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

$$\frac{2}{9} \times \frac{3}{5} =$$

$$\frac{1}{3} \times \frac{6}{7} =$$

$$\frac{3}{10} \times \frac{5}{6} =$$

$$\frac{3}{4} \times \frac{8}{9} =$$

$$\frac{7}{10} \times \frac{5}{7} =$$

$$\frac{5}{12} \times \frac{9}{10} =$$

$$\frac{7}{8} \times \frac{16}{21} =$$

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

$$\frac{11}{12} \times \frac{4}{11} =$$

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

$$\frac{9}{16} \times \frac{4}{9} =$$

$$\frac{4}{7} \times \frac{7}{8} =$$

$$\frac{4}{15} \times \frac{3}{8} =$$

$$\frac{4}{11} \times \frac{11}{12} =$$

$$\frac{9}{20} \times \frac{5}{6} =$$

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

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

$$\frac{2}{5} \times \frac{15}{16} =$$

$$\frac{4}{7} \times \frac{7}{20} =$$

Vul maar aan.

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

$$11\frac{7}{10} + \quad = 20$$

$$14\frac{5}{8} + \quad = 30$$

$$5\frac{5}{8} + \quad = 10$$

$$18\frac{3}{7} + \quad = 20$$

$$18\frac{5}{9} + \quad = 30$$

$$6\frac{7}{9} + \quad = 10$$

$$13\frac{3}{5} + \quad = 20$$

$$12\frac{8}{11} + \quad = 30$$

$$4\frac{3}{5} + \quad = 10$$

$$17\frac{1}{6} + \quad = 20$$

$$17\frac{3}{10} + \quad = 30$$

Gelijknamig maken.

$$4\frac{3}{8} + 2\frac{9}{16} =$$

$$6\frac{2}{5} + 3\frac{9}{10} =$$



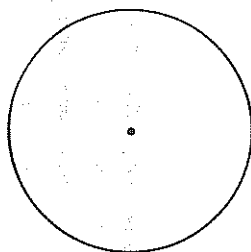
$$8\frac{1}{10} - 5\frac{4}{5} =$$

$$7\frac{2}{3} - 4\frac{8}{9} =$$

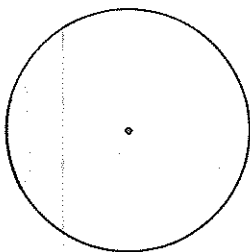


Teken in de figuurtjes het deel dat erbij staat.

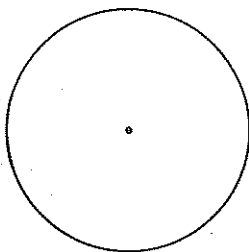
Geef deze gedeelten telkens een andere kleur.



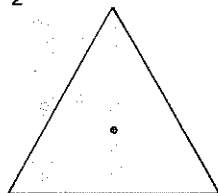
$$\frac{1}{2}$$



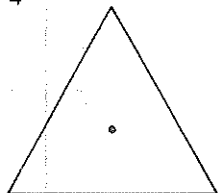
$$\frac{3}{4}$$



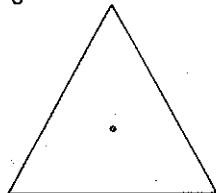
$$\frac{3}{8}$$



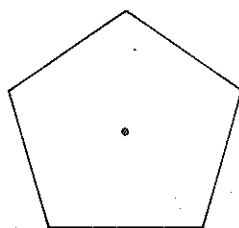
$$\frac{1}{3}$$



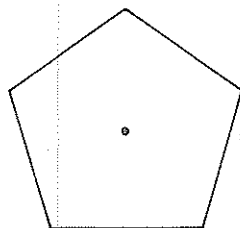
$$\frac{1}{6}$$



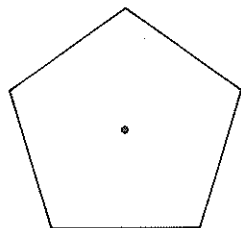
$$\frac{5}{6}$$



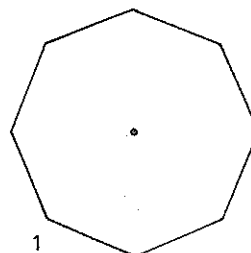
$$\frac{2}{5}$$



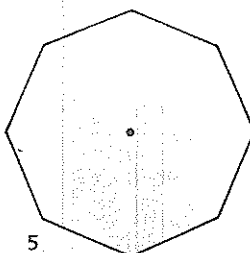
$$\frac{3}{10}$$



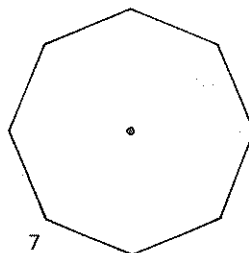
$$\frac{7}{10}$$



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



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



$$\frac{7}{16}$$

Wegstrepen. Bijvoorbeeld:

$$\frac{2}{3} \times 4\frac{1}{2} = \frac{\cancel{2}^1}{\cancel{3}_1} \times \frac{\cancel{9}^3}{\cancel{2}_1} = \frac{3}{1} = 3$$

$$2\frac{4}{5} \times 1\frac{3}{7} = \frac{14^2}{\cancel{5}_1} \times \frac{10^2}{\cancel{7}_1} = \frac{4}{1} = 4$$

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

$$5\frac{5}{6} \times \frac{6}{7} = \dots\dots\dots$$

$$\frac{5}{8} \times 3\frac{1}{5} = \dots\dots\dots$$

$$4\frac{4}{5} \times \frac{5}{6} = \dots\dots\dots$$

$$\frac{9}{10} \times 3\frac{1}{3} = \dots\dots\dots$$

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

$$\frac{4}{7} \times 5\frac{1}{4} = \dots\dots\dots$$

$$5\frac{3}{5} \times \frac{5}{7} = \dots\dots\dots$$

$$5\frac{5}{8} \times 3\frac{1}{5} = \dots\dots\dots$$

$$8\frac{4}{7} \times 5\frac{3}{5} = \dots\dots\dots$$

$$1\frac{2}{7} \times 3\frac{8}{9} = \dots\dots\dots$$

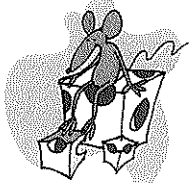
$$4\frac{1}{5} \times 8\frac{1}{3} = \dots\dots\dots$$

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

$$9\frac{5}{8} \times 1\frac{5}{11} = \dots\dots\dots$$

$$3\frac{3}{8} \times 2\frac{2}{3} = \dots\dots\dots$$

$$6\frac{2}{5} \times 5\frac{5}{8} = \dots\dots\dots$$



Zo kan het ook: $5\frac{4}{9} \times 1\frac{5}{7} = \frac{49^7}{\cancel{9}_3} \times \frac{12^4}{\cancel{7}_1} = \frac{28}{3} = 9\frac{1}{3}$

$$5\frac{1}{3} \times \frac{5}{8} = \dots\dots\dots$$

$$8\frac{4}{5} \times 2\frac{3}{11} = \dots\dots\dots$$

$$7\frac{1}{7} \times \frac{9}{10} = \dots\dots\dots$$

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

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

$$1\frac{7}{8} \times 5\frac{1}{5} = \dots\dots\dots$$

$$6\frac{3}{4} \times \frac{7}{9} = \dots\dots\dots$$

$$6\frac{1}{8} \times 3\frac{3}{7} = \dots\dots\dots$$



$$\frac{3}{4} \times \frac{5}{9} \times \frac{8}{15} = \dots\dots\dots$$

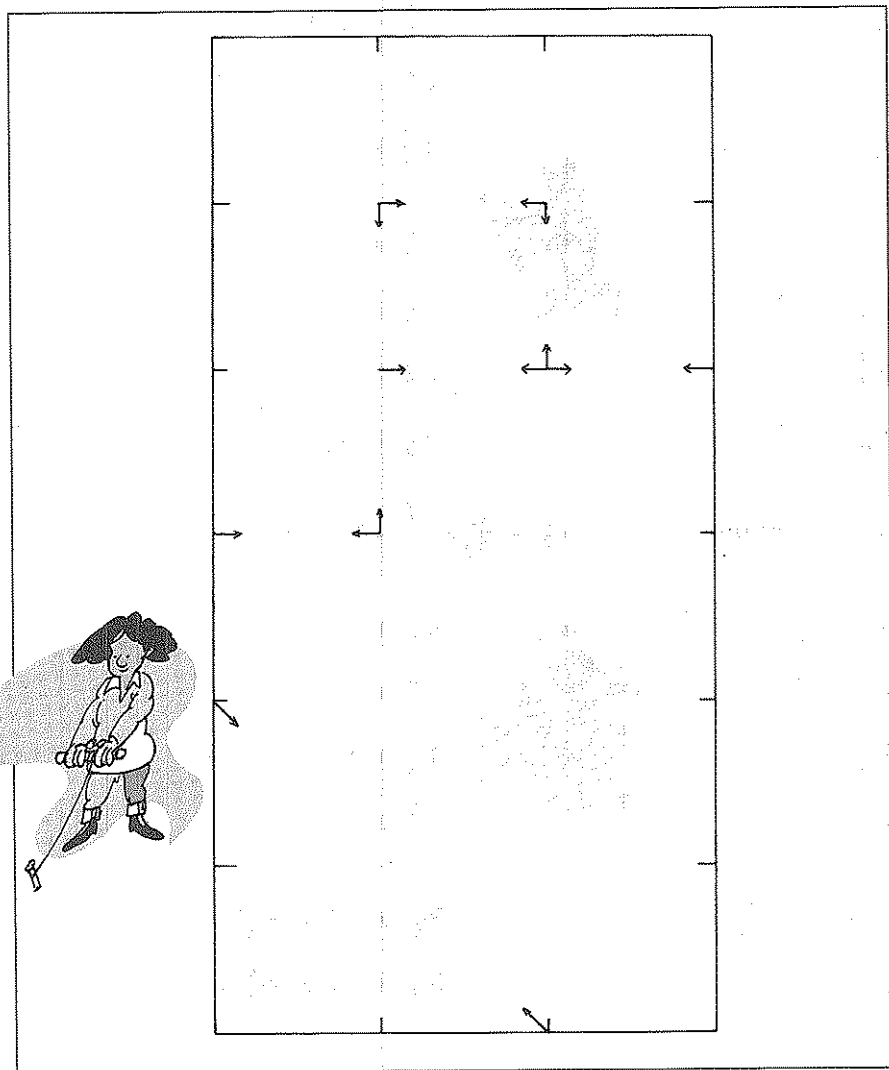
$$3\frac{1}{5} \times 1\frac{7}{8} \times 9\frac{1}{3} = \dots\dots\dots$$

$$\frac{4}{21} \times \frac{5}{12} \times \frac{7}{10} = \dots\dots\dots$$

$$3\frac{1}{3} \times 3\frac{6}{7} \times 2\frac{4}{5} = \dots\dots\dots$$

Verbindt de pijlen met elkaar. Je hebt dan stukken.

Geef ze verschillende kleuren. Schrijf in ieder stuk welk deel het is van de hele rechthoek. Als je het moeilijk vindt, mag je de kleine streepjes met een dun lijntje verbinden. Dan kom je er wel uit.



Schrijven als een breuk.

$$7\frac{8}{15} = \frac{\quad}{15}$$

$$4\frac{21}{25} = \frac{\quad}{25}$$

$$6\frac{17}{30} = \frac{\quad}{30}$$

$$5\frac{13}{18} = \frac{\quad}{18}$$

$$9\frac{12}{13} = \frac{\quad}{13}$$

$$8\frac{5}{19} = \frac{\quad}{19}$$

$$4\frac{6}{23} = \frac{\quad}{23}$$

$$3\frac{11}{24} = \frac{\quad}{24}$$

Haal de helen eruit.

$$\frac{147}{20} = 7\frac{7}{20}$$

$$\frac{153}{18} = \frac{\quad}{18}$$

$$\frac{117}{25} = \frac{\quad}{25}$$

$$\frac{115}{17} = \frac{\quad}{17}$$

$$\frac{107}{24} = \frac{\quad}{24}$$

$$\frac{100}{27} = \frac{\quad}{27}$$

$$\frac{99}{19} = \frac{\quad}{19}$$

$$\frac{104}{13} = \frac{\quad}{13}$$

Gelijknamig maken.

$$45\frac{7}{12} + 9\frac{5}{6} =$$

$$40 - 3\frac{2}{9} =$$

$$54\frac{3}{10} - 8\frac{11}{15} =$$

$$33\frac{3}{7} + 8\frac{3}{4} =$$

$$37 - 8\frac{4}{5} =$$

$$27\frac{1}{9} - 5\frac{1}{6} =$$

$$75\frac{4}{5} + 7\frac{7}{10} =$$

$$82 - 9\frac{2}{3} =$$

$$38\frac{1}{3} - 7\frac{7}{8} =$$

Vermenigvuldigen.

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

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

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

$$7\frac{1}{7} \times 2\frac{3}{10} =$$

$$3\frac{5}{6} \times 4\frac{2}{7} =$$

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



Delen.

$$4\frac{4}{9} : 10 =$$

$$23\frac{1}{3} : 7 =$$

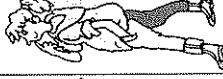
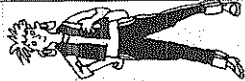
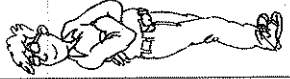
$$17\frac{1}{4} : 23 =$$

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

$$18\frac{3}{4} : 5 =$$

$$16\frac{1}{5} : 27 =$$

Oom Nuri is heel groot en zwaar. Hij heeft ook veel geld. Schrijf in de bovenste regel welk deel ieders gewicht is van het gewicht van oom Nuri. In de onderste regel doe je hetzelfde met het geld. Kleur daarna de figuurtjes.

welk deel?	$\frac{1}{20}$	5 kg	Baby		€ 30	$\frac{1}{1000}$	
gewicht	25 kg	Fieke		€ 200			
	32 kg	Angela		€ 600			
	40 kg	Marit		€ 5000			
	55 kg	Moeder		€ 2000			
	100 kg	Oom Nuri		€ 30 000			
	80 kg	Vader		€ 15 000			
	75 kg	Joey		€ 10 000			
	35 kg	Thijs		€ 300			
	20 kg	Job		€ 150			
	15 kg	Aisha		€ 100			

Delen. Bijvoorbeeld:

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

$$5 : \frac{3}{4} = 5 \times \frac{4}{3} = \frac{20}{3} = 6\frac{2}{3}$$

$$8 : \frac{4}{5} = 8 \times \frac{5}{4} = 10$$

$$6\frac{2}{3} : 1\frac{1}{9} = \frac{20}{3} \times \frac{9}{10} = 6$$

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

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

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

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

$$4 : \frac{5}{7} =$$

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

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

$$2 : \frac{5}{9} =$$

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

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

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

$$\frac{9}{10} : \frac{3}{4} =$$

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

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

$$\frac{7}{12} : \frac{7}{9} =$$

$$5\frac{3}{5} : \frac{7}{10} =$$

$$\frac{8}{9} : 1\frac{1}{3} =$$

$$13\frac{1}{3} : 1\frac{1}{9} =$$

$$6\frac{1}{4} : \frac{5}{8} =$$

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

$$12\frac{5}{6} : 1\frac{2}{9} =$$

$$8\frac{3}{4} : \frac{5}{6} =$$

$$\frac{7}{8} : 2\frac{5}{8} =$$

$$15\frac{3}{4} : 4\frac{1}{5} =$$

$$4\frac{2}{7} : \frac{6}{7} =$$

$$\frac{3}{5} : 1\frac{2}{7} =$$

$$14\frac{1}{4} : 2\frac{3}{8} =$$

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

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

$$16\frac{1}{3} : 1\frac{1}{6} =$$

Vermenigvuldigen en delen. Streep goed weg.

$$\frac{7}{9} \times \frac{5}{6} : \frac{7}{12} =$$

$$5\frac{1}{3} \times 1\frac{7}{8} : 3\frac{3}{5} =$$

$$\frac{9}{10} \times \frac{8}{9} : \frac{4}{15} =$$

$$4\frac{2}{5} \times 1\frac{7}{11} : 1\frac{4}{5} =$$

$$97\frac{3}{4}$$

$$56\frac{2}{3}$$

$$78\frac{5}{9}$$

$$\underline{24} \times$$

$$\underline{36} \times$$

$$\underline{45} \times$$

Dit is een breukenwiel. Als je het wiel laat rollen, krijg je een prachtige uitkomst. Vanaf de middenas langs de spaken invullen.

spaak A - telkens 4 x nemen

spaak B - telkens delen door 2

spaak C - telkens $\frac{5}{7}$ bijtellen

spaak D - telkens $\frac{7}{12}$ aftrekken

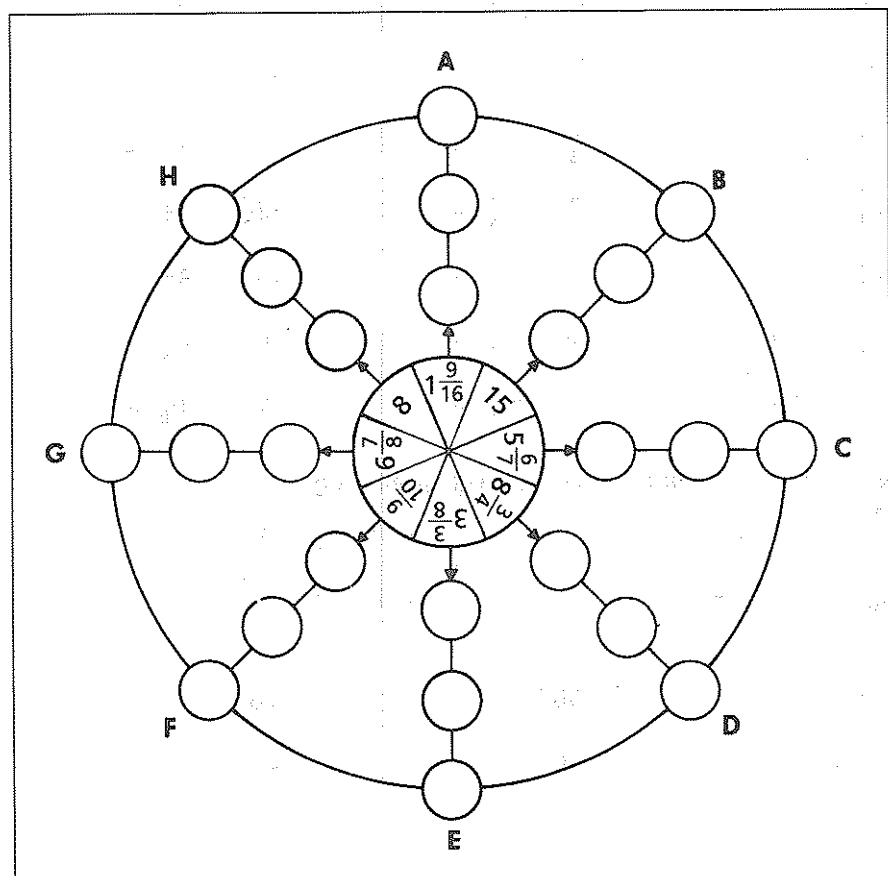
spaak E - telkens delen door 3

spaak F - telkens $\frac{7}{10}$ bijtellen

spaak G - telkens $\frac{5}{8}$ aftrekken

spaak H - telkens $2\frac{1}{2}$ x nemen

Tel de eindantwoorden van de spaken A tot en met G op. Trek hiervan het eindantwoord van spaak H af. Nu heb je



Vereenvoudig deze breuken.

$$\frac{85}{153} =$$

$$\frac{75}{105} =$$

$$\frac{69}{115} =$$

$$\frac{84}{108} =$$

$$\frac{75}{150} =$$

Vermenigvuldigen en wegstrepen.

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

$$8\frac{3}{4} \times 7\frac{1}{5} \times 3\frac{1}{3} =$$

$$5\frac{5}{7} \times 4\frac{1}{8} \times 3\frac{2}{11} =$$

$$3\frac{1}{8} \times 2\frac{7}{10} \times 5\frac{1}{3} =$$

Gelijknamig maken, optellen en vereenvoudigen.

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

$$38\frac{5}{18} =$$

$$15\frac{7}{30} =$$

$$47\frac{3}{4} =$$

$$17\frac{7}{9} =$$

$$37\frac{1}{2} =$$

$$52\frac{1}{4} =$$

$$29\frac{1}{6} =$$

$$19\frac{2}{3} =$$

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

$$32\frac{1}{3} =$$

$$28\frac{1}{6} =$$

$$73\frac{2}{3} = \underline{\hspace{2cm}} +$$

$$14\frac{1}{2} = \underline{\hspace{2cm}} +$$

$$18\frac{2}{5} = \underline{\hspace{2cm}} +$$

=

=

=

Aftrekken.

$$23 - 14\frac{5}{8} =$$

$$47\frac{1}{2} - 19\frac{7}{10} =$$

$$68\frac{2}{5} - 29\frac{3}{4} =$$

$$27 - 19\frac{2}{3} =$$

$$34\frac{2}{3} - 12\frac{8}{9} =$$

$$37\frac{1}{4} - 14\frac{5}{12} =$$

Delen.

$$12\frac{1}{2} : 3\frac{3}{4} =$$

$$13\frac{1}{3} : 2\frac{2}{9} =$$

$$4\frac{4}{5} : 2\frac{2}{3} =$$

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

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

$$3\frac{7}{9} : 2\frac{5}{6} =$$

Kleur de stukken die gearceerd zijn. Vul dan de tabel in.

rij	gekleurd	over	gekleurd	over	gekleurd	over
I	A		B		C	
II	A		B		C	
III	A		B		C	
IV	A		B		C	

