

Bijlage 1 Breukentoets

BREUKENTOETS

NAAM : _____

Groep : _____

Datum afname : _____

$$2\frac{4}{5} + 1\frac{4}{15} = \underline{\hspace{2cm}}$$

$$2\frac{7}{8} + 3\frac{2}{5} = \underline{\hspace{2cm}}$$

$$4\frac{2}{3} + 2\frac{3}{4} = \underline{\hspace{2cm}}$$

$$7\frac{1}{2} + 3\frac{3}{10} = \underline{\hspace{2cm}}$$

$$7\frac{3}{4} + 3\frac{1}{12} = \underline{\hspace{2cm}}$$

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

$$7\frac{2}{3} - 3\frac{3}{4} = \underline{\hspace{2cm}}$$

$$5\frac{3}{4} - 2\frac{5}{12} = \underline{\hspace{2cm}}$$

$$9\frac{1}{2} - 7\frac{3}{10} = \underline{\hspace{2cm}}$$

$$3\frac{1}{12} - 1\frac{5}{6} = \underline{\hspace{2cm}}$$

$$\begin{aligned}
6^{1/4} + 1/2 &= \underline{\hspace{2cm}} \\
4^{1/2} + 1/5 &= \underline{\hspace{2cm}} \\
3/4 + 4^{5/6} &= \underline{\hspace{2cm}} \\
1/5 + 2^{3/10} &= \underline{\hspace{2cm}} \\
1/4 + 3^{5/12} &= \underline{\hspace{2cm}}
\end{aligned}$$



$$\begin{aligned}
2^{1/5} - 1/6 &= \underline{\hspace{2cm}} \\
9^{1/2} - 1/8 &= \underline{\hspace{2cm}} \\
1^{3/5} - 3/4 &= \underline{\hspace{2cm}} \\
1^{3/4} - 5/8 &= \underline{\hspace{2cm}} \\
2^{5/6} - 1/3 &= \underline{\hspace{2cm}}
\end{aligned}$$

$$\begin{array}{rcl}
 1/2 + 1/8 & = & \underline{\hspace{2cm}} \\
 3/5 + 3/10 & = & \underline{\hspace{2cm}} \\
 1/3 + 4/9 & = & \underline{\hspace{2cm}} \\
 3/4 + 2/5 & = & \underline{\hspace{2cm}} \\
 7/8 + 3/4 & = & \underline{\hspace{2cm}}
 \end{array}$$

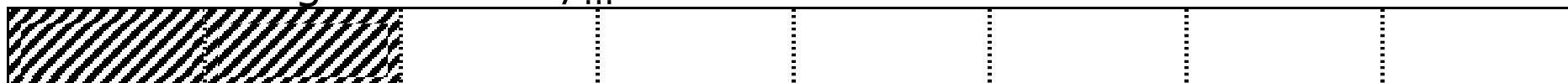
$$\begin{array}{rcl}
 2/3 - 2/5 & = & \underline{\hspace{2cm}} \\
 7/8 - 1/4 & = & \underline{\hspace{2cm}} \\
 9/10 - 2/3 & = & \underline{\hspace{2cm}} \\
 2/5 - 1/3 & = & \underline{\hspace{2cm}} \\
 7/8 - 3/4 & = & \underline{\hspace{2cm}}
 \end{array}$$

$$\begin{aligned}
 4/_{10} &= \underline{\hspace{1cm}} \\
 2/_{8} &= \underline{\hspace{1cm}} \\
 4^4/_{16} &= \underline{\hspace{1cm}} \\
 3^2/_{12} &= \underline{\hspace{1cm}} \\
 8^6/_{30} &= \underline{\hspace{1cm}}
 \end{aligned}$$

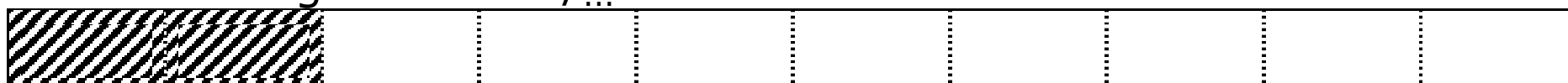


$$\begin{aligned}
 2/_{3} &= \cdots/_{6} \\
 1/_{3} &= \cdots/_{9} \\
 1/_{4} &= \cdots/_{16} \\
 6^2/_{3} &= \cdots/_{15} \\
 4^7/_{10} &= \cdots/_{40}
 \end{aligned}$$

Welk deel is gekleurd? .../...



Welk deel is gekleurd? .../...



Welk deel is gekleurd? .../...



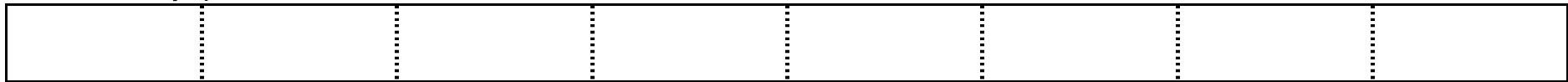
Welk deel is gekleurd? .../...



Welk deel is gekleurd? .../...



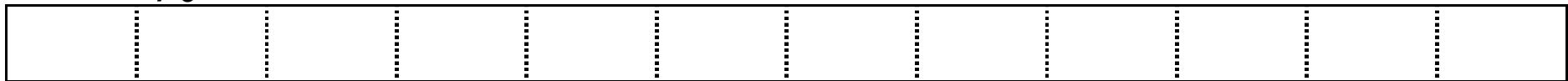
Kleur $\frac{1}{4}$



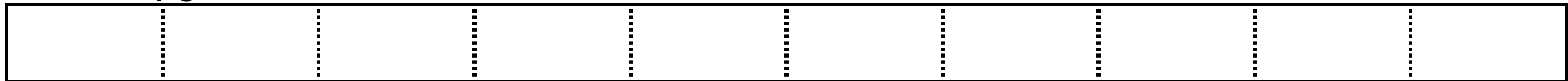
Kleur $\frac{1}{5}$



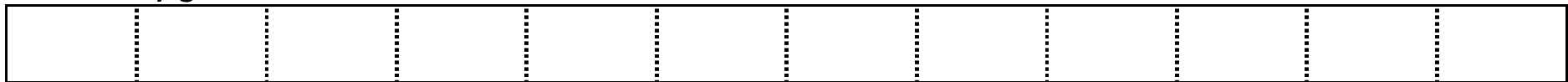
Kleur $\frac{5}{6}$



Kleur $\frac{2}{5}$



Kleur $\frac{2}{3}$



$$\begin{aligned}
& \frac{1}{5} + \frac{2}{5} = \underline{\hspace{2cm}} \\
& 2 + \frac{1}{8} = \underline{\hspace{2cm}} \\
& \frac{1}{9} + 3 = \underline{\hspace{2cm}} \\
& 2\frac{1}{7} + 3\frac{4}{7} = \underline{\hspace{2cm}} \\
& 2\frac{2}{5} + 1\frac{2}{5} = \underline{\hspace{2cm}}
\end{aligned}$$

$$\begin{aligned}
& \frac{5}{7} - \frac{3}{7} = \underline{\hspace{2cm}} \\
& 1\frac{8}{9} - \frac{8}{9} = \underline{\hspace{2cm}} \\
& 2\frac{6}{7} - \frac{2}{7} = \underline{\hspace{2cm}} \\
& 3\frac{3}{4} - 1\frac{1}{4} = \underline{\hspace{2cm}} \\
& 4\frac{4}{7} - 3\frac{2}{7} = \underline{\hspace{2cm}}
\end{aligned}$$

$$\begin{aligned}
 1 &= \dots/7 \\
 4 &= \dots/2 \\
 {}^{11}/_4 &= \dots/4 \\
 {}^{21}/_3 &= \dots/3 \\
 {}^2/_3 + \underline{\hspace{1cm}} &= 1
 \end{aligned}$$



$$\begin{aligned}
 {}^7/_7 &= \underline{\hspace{1cm}} \\
 {}^{49}/_7 &= \underline{\hspace{1cm}} \\
 {}^{13}/_8 &= \underline{\hspace{1cm}} \\
 {}^6/_5 &= \underline{\hspace{1cm}} \\
 1 &= {}^8/_9 + \underline{\hspace{1cm}}
 \end{aligned}$$

zevenachtste = $\frac{\dots}{\dots}$

tweevijfde = $\frac{\dots}{\dots}$

drie tweederde = $\frac{\dots}{\dots}$

vier eenzevende = $\frac{\dots}{\dots}$

acht negentiende = $\frac{\dots}{\dots}$

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

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

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

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

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

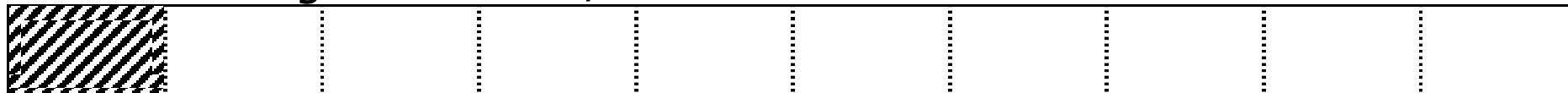
Welk deel is gekleurd? —/



Welk deel is gekleurd? —/



Welk deel is gekleurd? —/



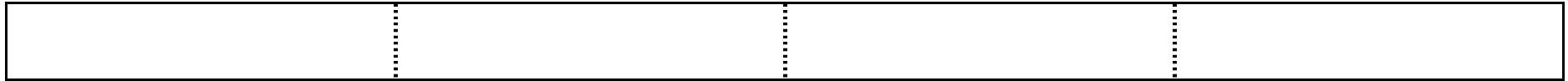
Welk deel is gekleurd? —/



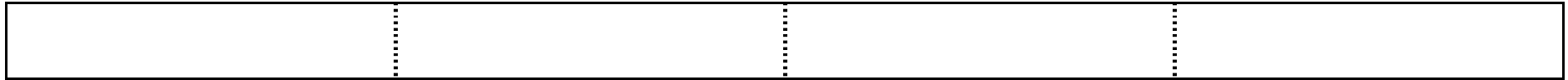
Welk deel is gekleurd? —/



Kleur $\frac{1}{4}$



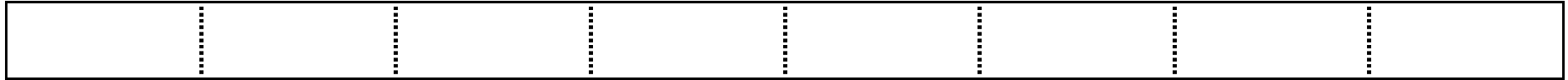
Kleur $\frac{3}{4}$



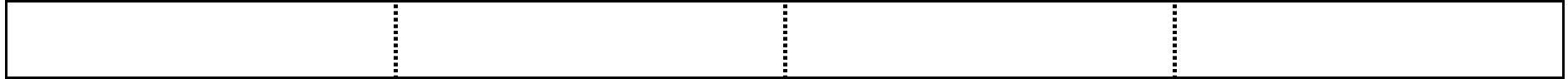
Kleur $\frac{2}{3}$



Kleur $\frac{3}{8}$



Kleur $\frac{4}{4}$



Zet in de goede
volgorde:

$\frac{1}{4}$ $\frac{1}{7}$ $\frac{1}{2}$ $\frac{1}{10}$ $\frac{1}{8}$

$\frac{1}{5}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{6}$ $\frac{1}{2}$

$\frac{1}{3}$ $\frac{3}{4}$ $\frac{1}{2}$ $\frac{2}{5}$ $\frac{3}{10}$

$3\frac{1}{4}$ $3\frac{1}{2}$ $3\frac{1}{5}$ $3\frac{1}{7}$ $3\frac{1}{3}$

$1\frac{1}{2}$ $2\frac{1}{4}$ $\frac{7}{8}$ $1\frac{1}{8}$ $2\frac{1}{10}$

Wat is groter $\frac{1}{7}$ of $\frac{1}{9}$? _____

Wat is groter $\frac{5}{7}$ of $\frac{5}{9}$? _____

Is $\frac{8}{5}$ groter of kleiner dan 1? _____

Wat is groter $\frac{5}{8}$ of $\frac{8}{8}$? _____

Wat is $\frac{8}{8}$ ook wel? _____

$$16 : 4 = \underline{\hspace{2cm}}$$

$$9 : 9 = \underline{\hspace{2cm}}$$

$$27 : 3 = \underline{\hspace{2cm}}$$

$$40 : 8 = \underline{\hspace{2cm}}$$

$$46 : 6 = \underline{\hspace{2cm}}$$



$$\frac{1}{4} \text{ van } 8 = \underline{\hspace{2cm}}$$

$$\frac{1}{2} \text{ van } 10 = \underline{\hspace{2cm}}$$

$$\frac{1}{3} \text{ van } 9 = \underline{\hspace{2cm}}$$

$$\frac{1}{10} \text{ van } 10 = \underline{\hspace{2cm}}$$

$$\frac{1}{6} \text{ van } 12 = \underline{\hspace{2cm}}$$

Bijlage 4 Antwoordmodel Breukentoets

BREUKENTOETS

NAAM : _____

Groep : _____

Datum afname : _____

$$\begin{aligned}
2^4/5 + 1^4/15 &= 4^1/15 \\
2^7/8 + 3^2/5 &= 6^6/40 \\
4^2/3 + 2^3/4 &= 7^5/12 \\
7^1/2 + 3^3/10 &= 10^8/10 \\
7^3/4 + 3^1/12 &= 10^{10}/12
\end{aligned}$$

$$\begin{aligned}
6^2/3 - 1^1/5 &= 5^7/15 \\
7^2/3 - 3^3/4 &= 3^{11}/12 \\
5^3/4 - 2^5/12 &= 3^1/3 \\
9^1/2 - 7^3/10 &= 2^1/15 \\
3^1/12 - 1^5/6 &= 1^1/4
\end{aligned}$$

$$\begin{aligned}
6^{1/4} + 1/2 &= 6^{3/4} \\
4^{1/2} + 1/5 &= 4^{7/10} \\
3/4 + 4^{5/6} &= 5^{7/12} \\
1/5 + 2^{3/10} &= 2^{5/10} \\
1/4 + 3^{5/12} &= 3^{8/12}
\end{aligned}$$

$$\begin{aligned}
2^{1/5} - 1/6 &= 2^{1/30} \\
9^{1/2} - 1/8 &= 9^{3/8} \\
1^{3/5} - 3/4 &= 1^{17/20} \\
1^{3/4} - 5/8 &= 1^{1/8} \\
2^{5/6} - 1/3 &= 2^{1/3}
\end{aligned}$$

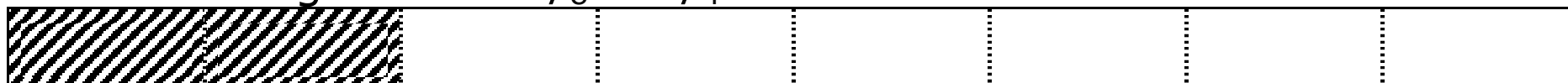
$$\begin{array}{rcl}
 1/2 + 1/8 & = & 5/8 \\
 3/5 + 3/10 & = & 9/10 \\
 1/3 + 4/9 & = & 7/9 \\
 3/4 + 2/5 & = & 1 \frac{5}{8} \\
 7/8 + 3/4 & = & 1 \frac{5}{8}
 \end{array}$$

$$\begin{array}{rcl}
 2/3 - 2/5 & = & 4/15 \\
 7/8 - 1/4 & = & 5/8 \\
 9/10 - 2/3 & = & 7/30 \\
 2/5 - 1/3 & = & 1/15 \\
 7/8 - 3/4 & = & 1/8
 \end{array}$$

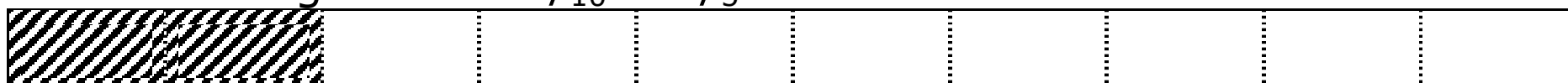
$$\begin{aligned}
4/_{10} &= 2/5 \\
2/8 &= 1/4 \\
4^4/_{16} &= 4^1/4 \\
3^2/_{12} &= 3^1/6 \\
8^6/_{30} &= 8^2/_{10}
\end{aligned}$$

$$\begin{aligned}
2/3 &= 4/6 \\
1/3 &= 3/9 \\
1/4 &= 4/16 \\
6^2/3 &= 6^{10}/_{15} \\
4^7/_{10} &= 4^{28}/_{40}
\end{aligned}$$

Welk deel is gekleurd? $\frac{2}{8}$ of $\frac{1}{4}$



Welk deel is gekleurd? $\frac{2}{10}$ of $\frac{1}{5}$



Welk deel is gekleurd? $\frac{3}{9}$ of $\frac{1}{3}$



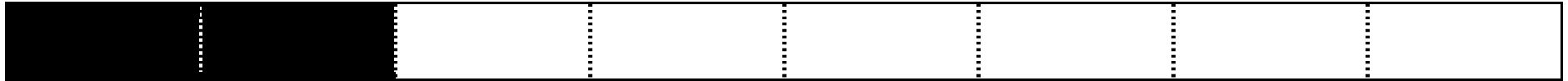
Welk deel is gekleurd? $\frac{6}{12}$ of $\frac{1}{2}$



Welk deel is gekleurd? $\frac{2}{12}$ of $\frac{1}{6}$



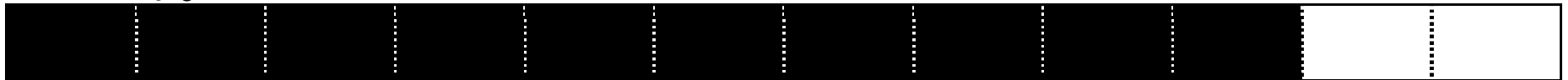
Kleur $\frac{1}{4}$



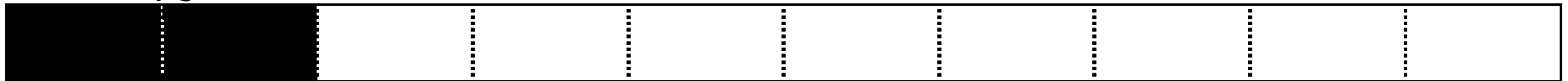
Kleur $\frac{1}{5}$



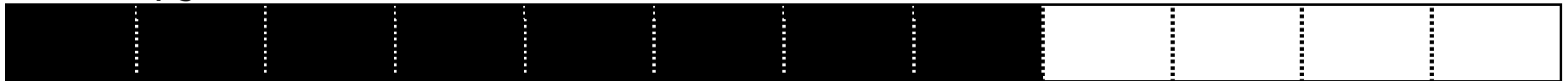
Kleur $\frac{5}{6}$



Kleur $\frac{2}{5}$



Kleur $\frac{2}{3}$



$$\begin{aligned}
&1/5 + 2/5 = 3/5 \\
&2 + 1/8 = 2\frac{1}{8} \\
&1/9 + 3 = 3\frac{1}{9} \\
&2\frac{1}{7} + 3\frac{4}{7} = 5\frac{5}{7} \\
&2\frac{2}{5} + 1\frac{2}{5} = 3\frac{4}{5}
\end{aligned}$$

$$\begin{aligned}
&5/7 - 3/7 = 2/7 \\
&1\frac{8}{9} - 8/9 = 1 \\
&2\frac{6}{7} - 2/7 = 2\frac{4}{7} \\
&3\frac{3}{4} - 1\frac{1}{4} = 2\frac{2}{4} \\
&4\frac{4}{7} - 3\frac{2}{7} = 1\frac{1}{7}
\end{aligned}$$

$$\begin{aligned}
 1 &= \frac{7}{7} \\
 4 &= \frac{8}{2} \\
 \frac{11}{4} &= 2 \frac{3}{4} \\
 \frac{21}{3} &= 7 \\
 \frac{2}{3} + \frac{1}{3} &= 1
 \end{aligned}$$

$$\begin{aligned}
 \frac{7}{7} &= 1 \\
 \frac{49}{7} &= 7 \\
 \frac{13}{8} &= 1 \frac{5}{8} \\
 \frac{6}{5} &= 1 \frac{1}{5} \\
 1 &= \frac{8}{9} + \frac{1}{9}
 \end{aligned}$$

zevenachtste= $\frac{7}{8}$	$\frac{1}{8} =$	eenachtste
tweevijfde= $\frac{2}{5}$	$\frac{3}{7} =$	driezevende
drie tweederde= $3 \frac{2}{3}$	$6\frac{5}{6} =$	zes vijfzesde
vier eenzevende= $4 \frac{1}{7}$	$4\frac{11}{3} =$	vier elfderde
acht negentiende= $8 \frac{9}{10}$	$\frac{24}{7} =$	vierentwintigzevende

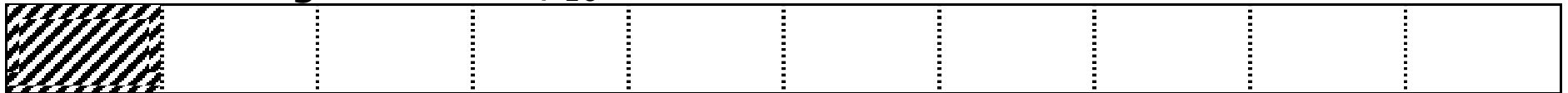
Welk deel is gekleurd? $\frac{1}{2}$



Welk deel is gekleurd? $\frac{5}{6}$



Welk deel is gekleurd? $\frac{1}{10}$



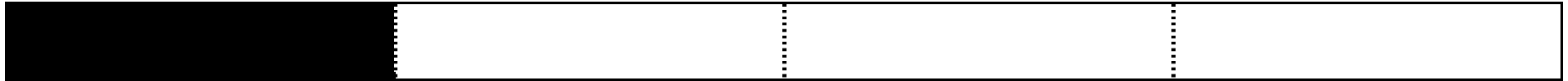
Welk deel is gekleurd? $\frac{3}{5}$



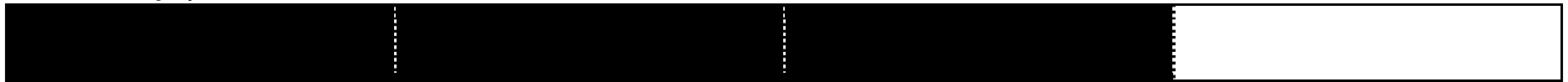
Welk deel is gekleurd? $\frac{1}{3}$



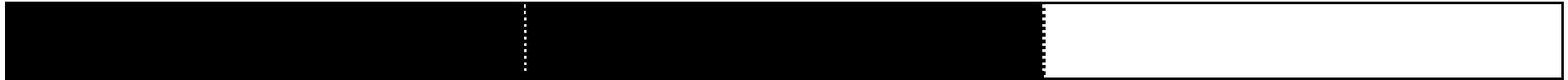
Kleur $\frac{1}{4}$



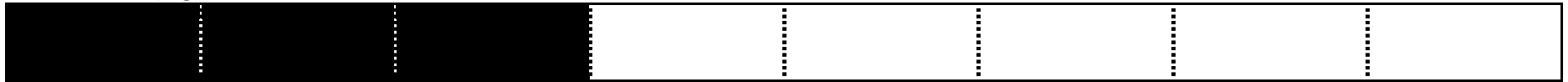
Kleur $\frac{3}{4}$



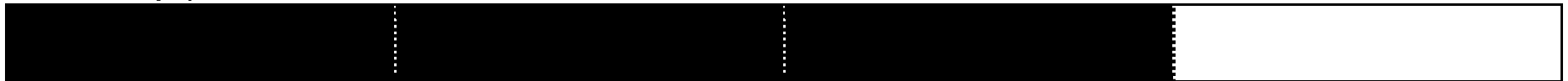
Kleur $\frac{2}{3}$



Kleur $\frac{3}{8}$



Kleur $\frac{4}{4}$



Zet in de goede
volgorde:

of $\frac{1}{10}$ $\frac{1}{8}$ $\frac{1}{7}$ $\frac{1}{4}$ $\frac{1}{2}$
 $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{1}{10}$

of $\frac{1}{6}$ $\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$
 $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$

of $\frac{3}{10}$ $\frac{1}{3}$ $\frac{2}{5}$ $\frac{1}{2}$ $\frac{3}{4}$
 $\frac{3}{4}$ $\frac{1}{2}$ $\frac{2}{5}$ $\frac{1}{3}$ $\frac{3}{10}$

of $3\frac{1}{7}$ $3\frac{1}{5}$ $3\frac{1}{4}$ $3\frac{1}{3}$ $3\frac{1}{2}$
 $3\frac{1}{2}$ $3\frac{1}{3}$ $3\frac{1}{4}$ $3\frac{1}{5}$ $3\frac{1}{7}$

of $\frac{7}{8}$ $1\frac{1}{8}$ $1\frac{1}{2}$ $2\frac{1}{10}$ $2\frac{1}{4}$
 $2\frac{1}{4}$ $2\frac{1}{10}$ $1\frac{1}{2}$ $1\frac{1}{8}$ $\frac{7}{8}$

Wat is groter $\frac{1}{7}$ of $\frac{1}{9}$? $\frac{1}{7}$

Wat is groter $\frac{5}{7}$ of $\frac{5}{9}$? $\frac{5}{7}$

Is $\frac{8}{5}$ groter of kleiner dan 1? groter

Wat is groter $\frac{5}{8}$ of $\frac{8}{8}$? $\frac{8}{8}$

Wat is $\frac{8}{8}$ ook wel? 1

$$16 : 4 = 4$$

$$9 : 9 = 1$$

$$27 : 3 = 9$$

$$40 : 8 = 5$$

$$46 : 6 = 7 \frac{2}{3}$$

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

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

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

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

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