



1

Los op.

- Stap 1:** Kleur het gevraagde deel in.
- Stap 2:** Reken uit.
- Stap 3:** Vereenvoudig je uitkomst als dat kan.



$\frac{1}{4} + \frac{1}{4} = \frac{\cdot}{\cdot} = \dots\dots\dots$ <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> </div> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> </div> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> </div> </div>	$\frac{2}{6} + \frac{3}{6} = \frac{\cdot}{\cdot}$ <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> </div> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> </div> <div style="border: 1px solid black; width: 60px; height: 60px; display: flex; flex-wrap: wrap;"> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> <div style="width: 30px; height: 30px;"></div> </div> </div>
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2

Vul in.


- a Tel op.
- b Vereenvoudig de uitkomst als dat kan.

$\frac{2}{6} + \frac{3}{6} = \dots\dots\dots$	$\frac{1}{10} + \frac{3}{10} = \dots\dots\dots$
$\frac{5}{16} + \frac{9}{16} = \dots\dots\dots$	$\frac{8}{9} + \frac{2}{9} = \dots\dots\dots$
$\frac{7}{12} + \frac{2}{12} = \dots\dots\dots$	$\frac{7}{7} + \frac{2}{7} = \dots\dots\dots$

3


Tel op.

- Stap 1:** Maak de breuken eerst gelijknamig.
- Stap 2:** Reken uit.
- Stap 3:** Vereenvoudig de uitkomst als dat kan.

$\frac{1}{6} + \frac{4}{3} = \frac{1}{6} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$ $\frac{3}{4} + \frac{1}{2} = \frac{3}{4} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$	$\frac{1}{3} + \frac{2}{5} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$ $\frac{1}{8} + \frac{8}{10} = \frac{\quad}{\quad}$
$\frac{1}{2} + \frac{7}{12} = \frac{\quad}{\quad}$ $\frac{8}{20} + \frac{6}{10} = \frac{\quad}{\quad}$ $\frac{9}{5} + \frac{4}{6} = \frac{\quad}{\quad}$	<div style="border: 1px solid black; padding: 10px; border-radius: 15px;"> <p>'Gelijknamig' wil zeggen dat de noemers dezelfde zijn. Weet je nog hoe je dat doet?</p> $\frac{4}{9} + \frac{2}{3} = \frac{4}{9} + \frac{6}{9} = \frac{10}{9}$ </div> 

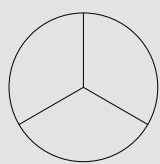
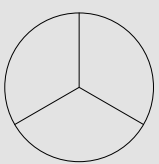
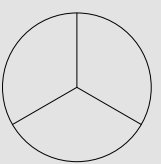
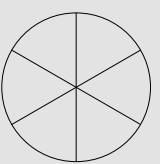
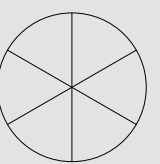
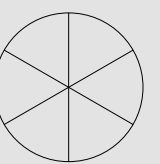
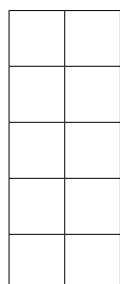
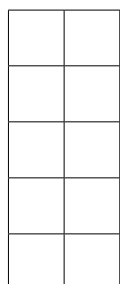
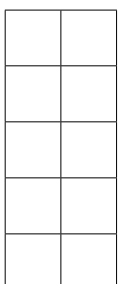
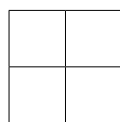
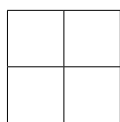
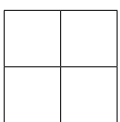
4

Los op.

- Stap 1:** Kleur het gevraagde deel in. 
- Stap 2:** Reken uit.
- Stap 3:** Vereenvoudig je uitkomst als dat kan.



Let goed op!
Nu doen we dat met min!

$\frac{3}{3} - \frac{2}{3} = \frac{\quad}{\quad}$ <div style="display: flex; justify-content: space-around; align-items: center;">    </div>	$\frac{5}{6} - \frac{2}{6} = \frac{\quad}{\quad}$ <div style="display: flex; justify-content: space-around; align-items: center;">    </div>
$\frac{8}{10} - \frac{2}{10} = \frac{\quad}{\quad}$ <div style="display: flex; justify-content: space-around; align-items: center;">    </div>	$\frac{3}{4} - \frac{1}{4} = \frac{\quad}{\quad}$ <div style="display: flex; justify-content: space-around; align-items: center;">    </div>

5**Bereken. Vergeet niet te vereenvoudigen als dat kan.**

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

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

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

$$\frac{11}{15} - \frac{6}{15} = \dots\dots\dots$$

$$\frac{11}{12} - \frac{6}{12} = \dots\dots\dots$$

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

6**Los op.**

- Stap 1:** Maak de breuken eerst gelijknamig.
- Stap 2:** Reken uit.
- Stap 3:** Vereenvoudig de uitkomst als dat kan.

Voorbeeld

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

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

$$\frac{9}{12} - \frac{2}{6} = \frac{\cdot}{\cdot} - \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$$

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

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

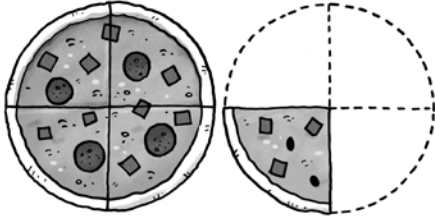

$$\frac{5}{14} - \frac{1}{7} = \dots\dots\dots$$



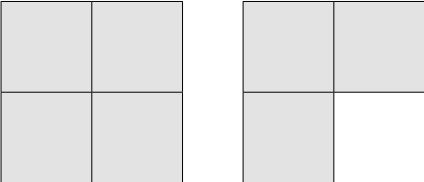
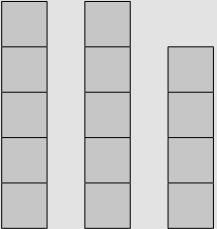
1

Deze breuken zijn groter dan 1.

a Bekijk de voorbeelden.

	
<p>Hier zie je 1 pizza en $\frac{1}{4}$ van een pizza. 1 geheel is hier hetzelfde als $\frac{4}{4}$. Hierboven staat dus $\frac{4}{4}$ en $\frac{1}{4}$ of $\frac{5}{4}$ pizza.</p>	<p>Hier zie je 2 pizza's en $\frac{2}{3}$ van een pizza. 1 geheel is hier hetzelfde als $\frac{3}{3}$. Hierboven staat dus $\frac{3}{3}$ en $\frac{3}{3}$ en $\frac{2}{3}$ of $\frac{8}{3}$ pizza.</p>

b Los op!

	
<p>Hier zie je blokje en $\frac{\quad}{\quad}$ van een blokje. 1 geheel is hier hetzelfde als $\frac{\quad}{\quad}$. Hierboven staat dus $\frac{\quad}{\quad}$ en $\frac{\quad}{\quad}$ of $\frac{\quad}{\quad}$ samen.</p>	<p>Hier zie je balkjes en $\frac{\quad}{\quad}$ van een balkje. 1 geheel is hier hetzelfde als $\frac{\quad}{\quad}$. Hierboven staat dus $\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad}$ of $\frac{\quad}{\quad}$ samen.</p>

c Nu zonder tekening, maar noteer wel je tussenstappen.

<p>1 en $\frac{1}{2} = \frac{\quad}{\quad} + \frac{1}{2} = \frac{\quad}{\quad}$</p> <p>1 en $\frac{5}{6} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$</p> <p>2 en $\frac{1}{3} = \frac{\quad}{\quad} + \frac{\quad}{\quad} = \frac{\quad}{\quad}$</p>	<p>$3 + \frac{3}{4} = \dots\dots\dots$</p> <p>$3 + \frac{3}{5} = \dots\dots\dots$</p> <p>$2 + \frac{2}{3} = \dots\dots\dots$</p>
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2 Let op! + en – staan door elkaar.

- a Maak de bewerkingen met gelijknamige breuken.
 b Vereenvoudig als dat kan.

$\frac{4}{5} + \frac{2}{5} = \frac{\cdot}{\cdot}$	$\frac{3}{25} + \frac{12}{25} = \dots\dots\dots$
$\frac{12}{14} - \frac{3}{14} = \frac{\cdot}{\cdot}$	$\frac{12}{16} - \frac{7}{16} = \dots\dots\dots$
$\frac{7}{6} + \frac{5}{6} = \frac{\cdot}{\cdot}$	$\frac{11}{15} - \frac{6}{15} = \dots\dots\dots$
$\frac{8}{9} - \frac{3}{9} = \frac{\cdot}{\cdot}$	$\frac{8}{9} + \frac{6}{9} = \dots\dots\dots$

3 Tel de breuken op.

- a Maak de breuken gelijknamig.
 b Los op.

$\frac{3}{4} + \frac{10}{8} = \frac{\cdot}{\cdot} + \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$	$\frac{62}{10} - \frac{1}{5} = \dots\dots\dots$
$\frac{21}{6} - \frac{1}{2} = \frac{\cdot}{\cdot} - \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$	$\frac{14}{7} + \frac{6}{14} = \dots\dots\dots$
$\frac{4}{9} + \frac{10}{18} = \frac{\cdot}{\cdot} + \frac{\cdot}{\cdot} = \frac{\cdot}{\cdot}$	$\frac{6}{6} - \frac{4}{12} = \dots\dots\dots$