

## Breuken oefenen met lego

$$\begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} = \text{een hele} = 1$$

$$\begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} = \text{een halve} = \frac{1}{2}$$

$$\begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} = \text{een kwart} = \frac{1}{4}$$

$$\begin{array}{|c|} \hline \circ \\ \hline \end{array} = \text{een achtste} = \frac{1}{8}$$

Een hele is hetzelfde als...

$$\begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} = \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} = \begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} = \begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array}$$

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

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

Optellen met breuken

$$\begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} + \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} = \begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array}$$

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



$$\begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} = \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} = \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array}$$

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

$$\begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \end{array} = \begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \end{array} = \begin{array}{|c|c|} \hline \circ & \\ \hline \circ & \circ \\ \hline \end{array}$$

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

$$\begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \end{array} = \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline \circ & \circ & \\ \hline \circ & \circ & \circ \\ \hline \end{array}$$

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

$$\begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} = \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline \circ & \circ & \circ \\ \hline \circ & \circ & \circ \\ \hline \end{array}$$

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

$$\begin{array}{|c|} \hline \circ \\ \hline \end{array} + \begin{array}{|c|} \hline \circ \\ \hline \end{array} = \begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} = \begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array}$$

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

$$\begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} + \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} = 1 \frac{1}{2}$$

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

$$\begin{array}{|c|} \hline \circ \\ \hline \circ \\ \hline \end{array} + \begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} = 1 \frac{1}{4}$$

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



Nu jij!

$$\begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} = \text{-----} = \text{-----}$$

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Een hele is hetzelfde als...

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$$1 = \text{-----} = \text{-----} = \text{-----}$$

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Optellen met breuken

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$$\text{-----} + \text{-----} = \text{-----}$$



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..... + ..... = ..... + ..... = .....



$$\begin{array}{|c|c|c|c|} \hline \circ & \circ & \circ & \circ \\ \hline \circ & \circ & \circ & \circ \\ \hline \end{array} + \begin{array}{|c|c|} \hline \circ & \circ \\ \hline \circ & \circ \\ \hline \end{array} = \dots$$

$$\dots + \dots = \dots$$

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$$\dots + \dots = \dots$$

