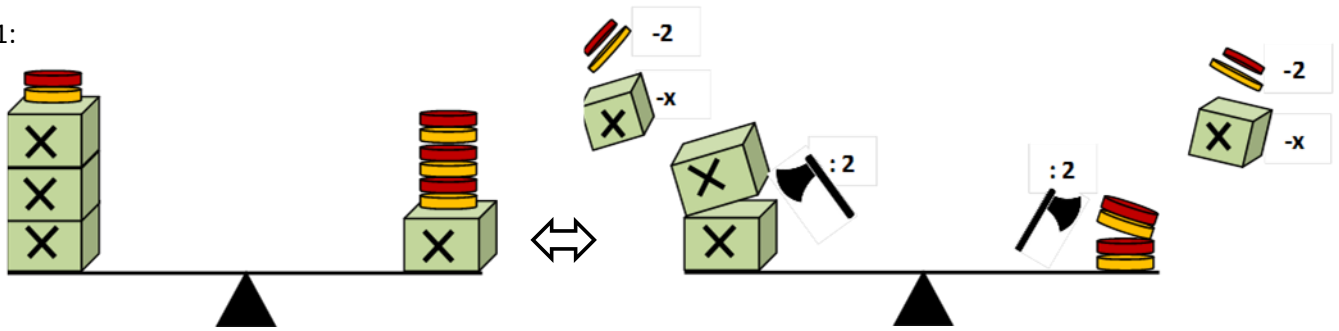


Wie viele Münzen sind in jeder BoX ?

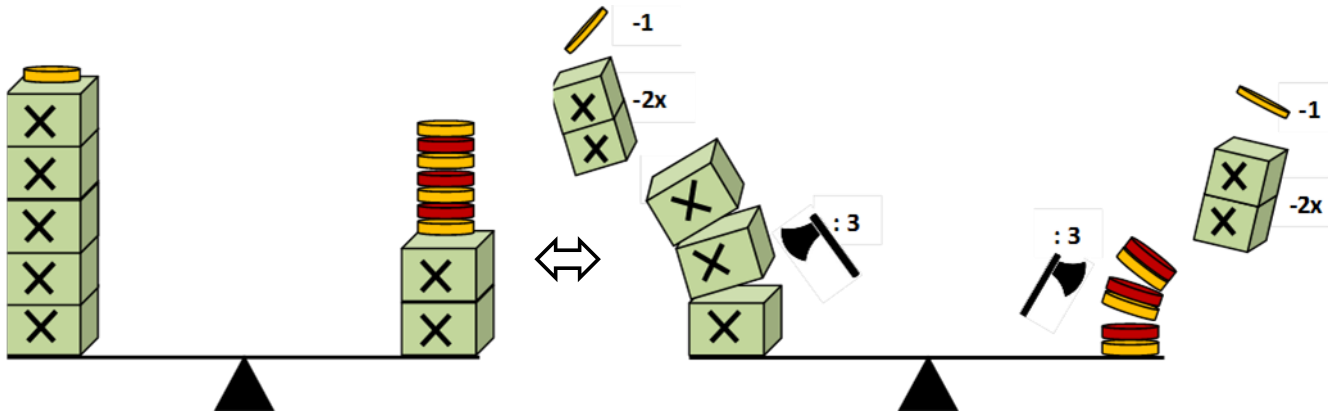
Bsp 1:



Gleichung:

$$\begin{array}{rclclcl}
 3x + 2 & = & x + 6 & \Leftrightarrow & 3x + 2 & = & x + 6 & | & -2 \\
 & & & \Leftrightarrow & 3x & = & x + 4 & | & -x \\
 & & & \Leftrightarrow & 2x & = & 4 & | & :2 \\
 \text{Probe:} & ? & & \Leftrightarrow & x & = & \underline{2} & & \\
 3 \cdot 2 + 2 & = & 2 + 6 & & & & & & \\
 8 & = & 8 & & & & & & 
 \end{array}$$

Bsp 2:

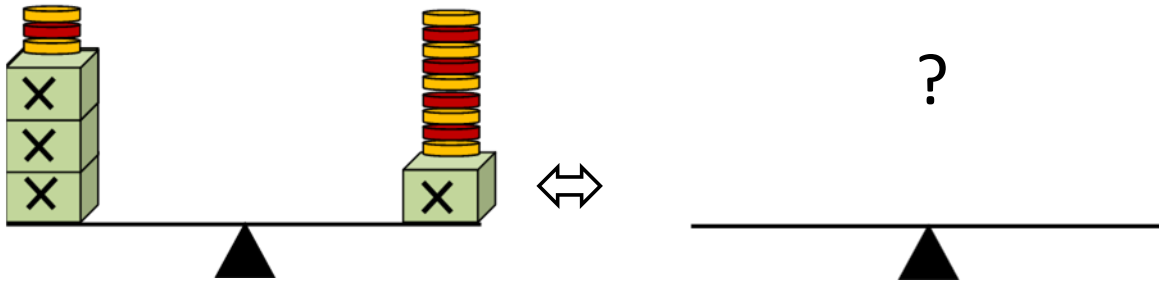


Gleichung:

$$\begin{array}{rclclcl}
 5x + 1 & = & 2x + 7 & \Leftrightarrow & 5x + 1 & = & 2x + 7 & | \\
 & & & \Leftrightarrow & & = & & \\
 & & & \Leftrightarrow & & = & & \\
 \text{Probe:} & ? & & \Leftrightarrow & x & = & & \\
 & = & & & & & & \\
 & = & & & & & & 
 \end{array}$$

Wie viele Münzen sind in jeder BoX ?

Bsp 3:



Gleichung:

$$3x + 3 = x + 9 \quad \Leftrightarrow \quad 3x + 3 = x + 9$$

$\Leftrightarrow$

$=$

$\Leftrightarrow$

$=$

Probe:      ?

$\Leftrightarrow$

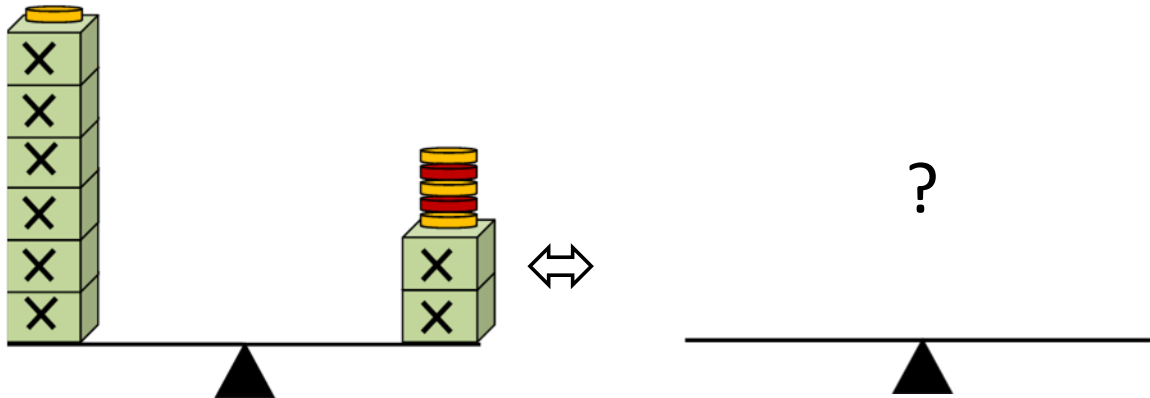
**x**      =

=

=



Bsp 4:



Gleichung:

=

$\Leftrightarrow$

=

$\Leftrightarrow$

=

$\Leftrightarrow$

=

Probe:      ?

$\Leftrightarrow$

**x**      =

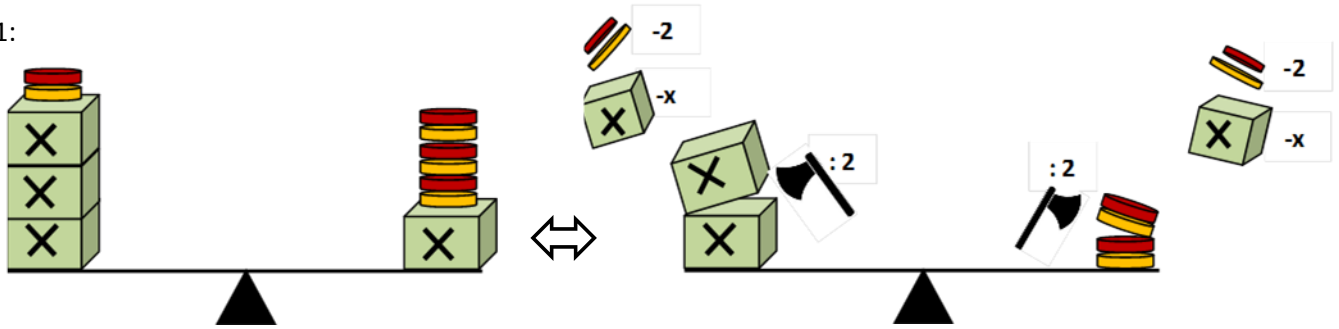
=

=

# LÖSUNG

Wie viele Münzen sind in jeder BoX ?

Bsp 1:

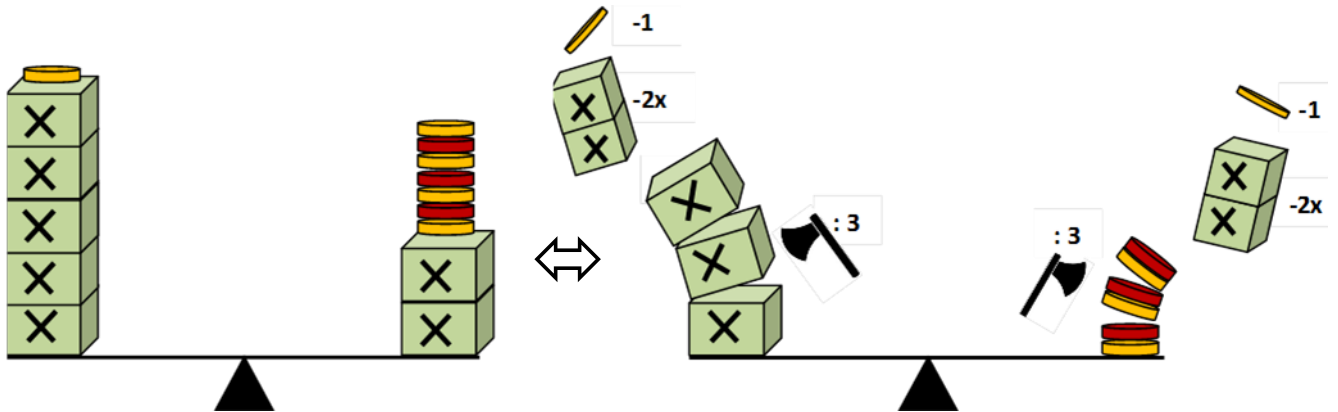


Gleichung:

$$\begin{array}{rclclcl}
 3x + 2 & = & x + 6 & \Leftrightarrow & 3x + 2 & = & x + 6 & | & -2 \\
 & & & \Leftrightarrow & 3x & = & x + 4 & | & -x \\
 & & & \Leftrightarrow & 2x & = & 4 & | & :2 \\
 \text{Probe:} & ? & & \Leftrightarrow & x & = & \underline{2} & & 
 \end{array}$$

$$\begin{array}{rcl}
 3 \cdot 2 + 2 & = & 2 + 6 \\
 8 & = & 8 \quad \checkmark
 \end{array}$$

Bsp 2:



Gleichung:

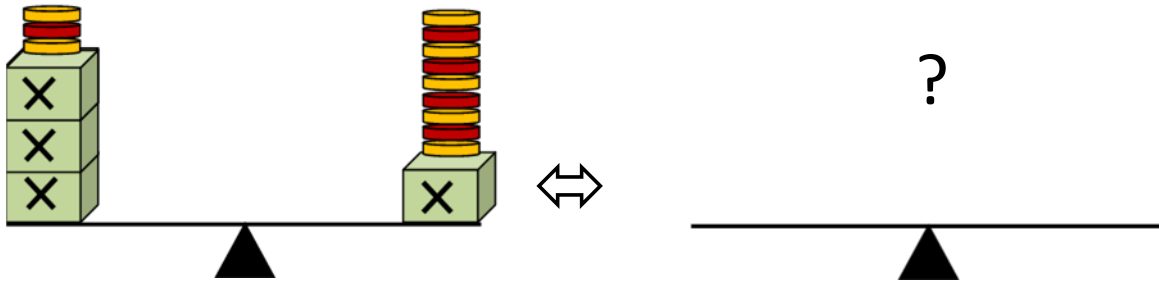
$$\begin{array}{rclclcl}
 5x + 1 & = & 2x + 7 & \Leftrightarrow & 5x + 1 & = & 2x + 7 & | & -1 \\
 & & & \Leftrightarrow & 5x & = & 2x + 6 & | & -2x \\
 & & & \Leftrightarrow & 3x & = & 6 & | & :3 \\
 \text{Probe:} & ? & & \Leftrightarrow & x & = & \underline{2} & & 
 \end{array}$$

$$\begin{array}{rcl}
 5 \cdot 2 + 1 & = & 2 \cdot 2 + 7 \\
 11 & = & 11 \quad \checkmark
 \end{array}$$

Wie viele Münzen sind in jeder BoX ?

LÖSUNG

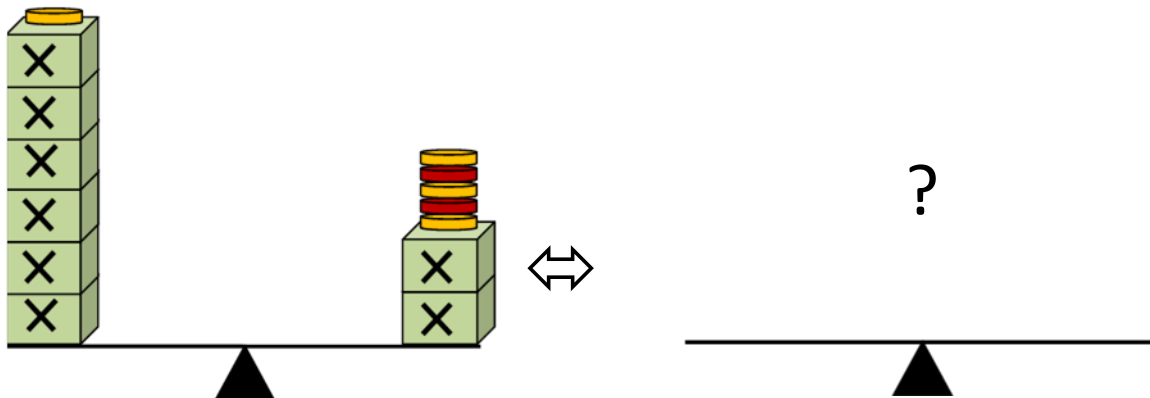
Bsp 3:



Gleichung:

$3x + 3$	$=$	$x + 9$	$\Leftrightarrow$	$3x + 3$	$=$	$x + 9$		
			$\Leftrightarrow$	$3x$	$=$	$x + 6$		$-3$
			$\Leftrightarrow$	$2x$	$=$	$6$		$-x$
<u>Probe:</u>		$?$	$\Leftrightarrow$	$x$	$=$	<u><math>3</math></u>		
$3 \cdot 3 + 3$	$=$	$3 + 9$						
$12$	$=$	$12$						

Bsp 4:



Gleichung:

$6x + 1$	$=$	$2x + 5$	$\Leftrightarrow$	$6x + 1$	$=$	$2x + 5$		
			$\Leftrightarrow$	$6x$	$=$	$2x + 4$		$-1$
			$\Leftrightarrow$	$4x$	$=$	$4$		$-2x$
<u>Probe:</u>		$?$	$\Leftrightarrow$	$x$	$=$	<u><math>1</math></u>		$:4$
$6 \cdot 1 + 1$	$=$	$2 \cdot 1 + 5$						
$7$	$=$	$7$						