

# Lernaufgaben Mathematik 25.01. bis 29.01.2021

Thema: Gleichungen und Ungleichungen/ Kreis



Montag	Dienstag	Mittwoch	Freitag
<i>Gleichungen</i>	<i>Ungleichungen</i>	<i>Addition/Subtraktion</i>	<i>Kreis</i>
Lies AB 1!	Bu S. 43/3	AB 4	AB 5
AB 2 Nr. 3,4,6	Schreibe wie auf AB 1 gezeigt!		
ZA: AB 2 Nr. 1,2	ZA: AB 3		

AB.... Arbeitsblatt

ZA.... Zusatzaufgabe

# Gleichungen und Ungleichungen

Wir unterscheiden lösbare und unlösbare Gleichungen.

$$42 + b = 56$$
$$b = 14$$

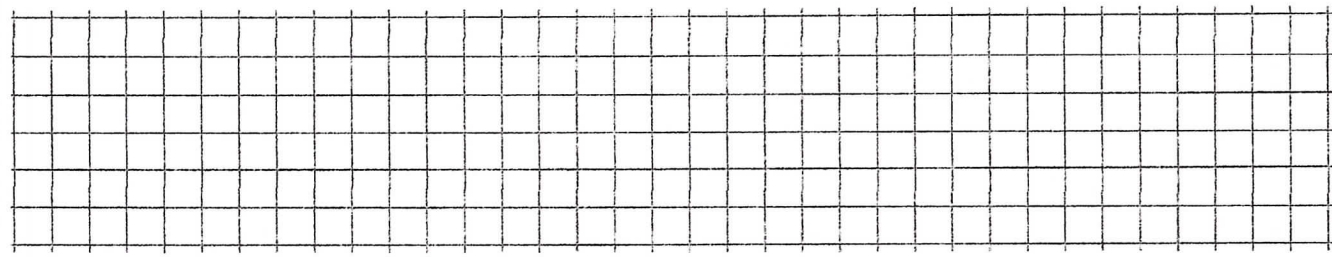
$$12 - m = 36$$
$$m = \text{n.l.}$$

Ungleichungen können mehrere Lösungen haben.

$$14 + y < 20$$
$$y = 0,1,2,3,4,5$$

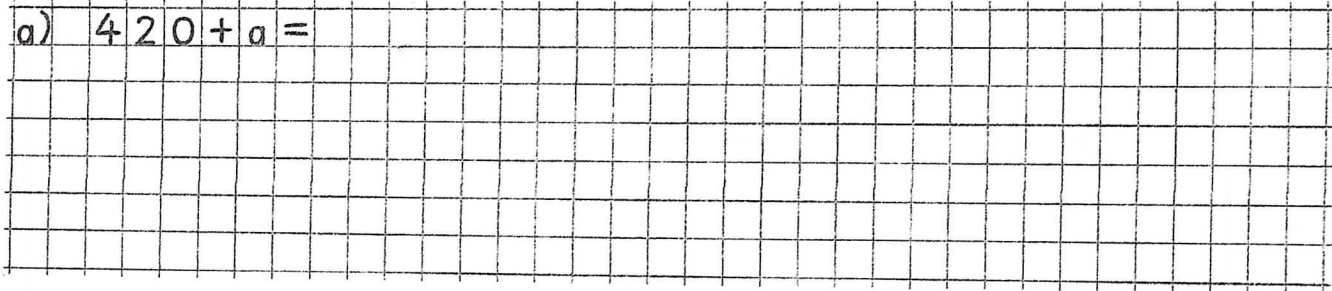
1. Löse die Gleichungen.

- a)  $360 + a = 402$   
 $a = \underline{\hspace{2cm}}$
- b)  $c + 299 = 500$   
 $c = \underline{\hspace{2cm}}$
- c)  $820 - e = 610$   
 $e = \underline{\hspace{2cm}}$
- d)  $g - 202 = 190$   
 $g = \underline{\hspace{2cm}}$
- $193 + b = 873$   
 $b = \underline{\hspace{2cm}}$
- $d + 307 = 703$   
 $d = \underline{\hspace{2cm}}$
- $737 - f = 148$   
 $f = \underline{\hspace{2cm}}$
- $h - 458 = 458$   
 $h = \underline{\hspace{2cm}}$



2. Schreibe Gleichungen und löse sie.

- a) 1. Summand : 420  
2. Summand : a  
Summe : 590  
8
- b) 1. Summand : b  
2. Summand : 60  
Summe : 730  
13
- c) Minuend : 870  
Subtrahend : c  
Differenz : 640  
5
- d) Minuend : d  
Subtrahend : 80  
Differenz : 345  
11



$300 + a = 304$ $a = \dots\dots\dots$	$e + 54 = 554$ $e = \dots\dots\dots$
$4000 + b = 4005$ $b = \dots\dots\dots$	$g + 36 = 6036$ $g = \dots\dots\dots$

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>4</th><th>c</th><th>c + 53</th></tr> <tr><td></td><td>220</td><td></td></tr> <tr><td></td><td>330</td><td></td></tr> <tr><td></td><td>440</td><td></td></tr> <tr><td></td><td>710</td><td></td></tr> <tr><td></td><td>820</td><td></td></tr> </table>	4	c	c + 53		220			330			440			710			820		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>5</th><th>d</th><th>d + 49</th></tr> <tr><td></td><td>370</td><td></td></tr> <tr><td></td><td>280</td><td></td></tr> <tr><td></td><td>190</td><td></td></tr> <tr><td></td><td>480</td><td></td></tr> <tr><td></td><td>570</td><td></td></tr> </table>	5	d	d + 49		370			280			190			480			570	
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6	e	f	e + f	1000 - e	1000 - f
	700	600			
	800	500			
	900	400			

3 Löse die Ungleichungen. Welche Zahlen passen?

a)  $568 + s < 572$

$s = 0,1$

b)  $u + 857 < 861$

$u =$

c)  $988 - w > 985$

$w =$

d)  $y - 364 < 2$

$y =$

$697 + t < 703$

$t =$

$v + 396 < 401$

$v =$

$1000 - x > 994$

$x =$

$z - 227 < 3$

$z =$

4 Setze  $<$ ,  $>$  oder  $=$  ein.

a)  $180 + 40$    $250$

$310 + 39$    $345$

$875 + 75$    $962$

$616 + 25$    $641$

b)  $560$    $810 - 240$

$380$    $720 - 461$

$720$    $950 - 230$

$290$    $568 - 270$

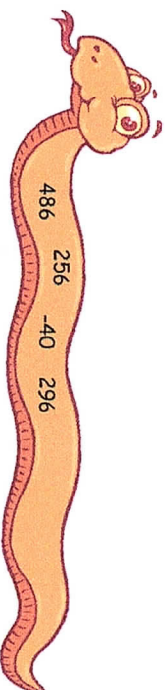
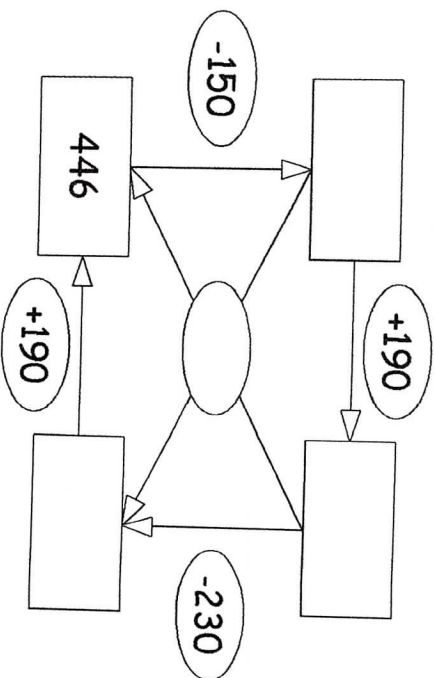
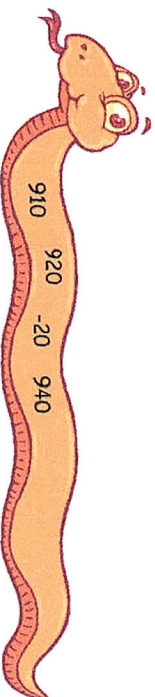
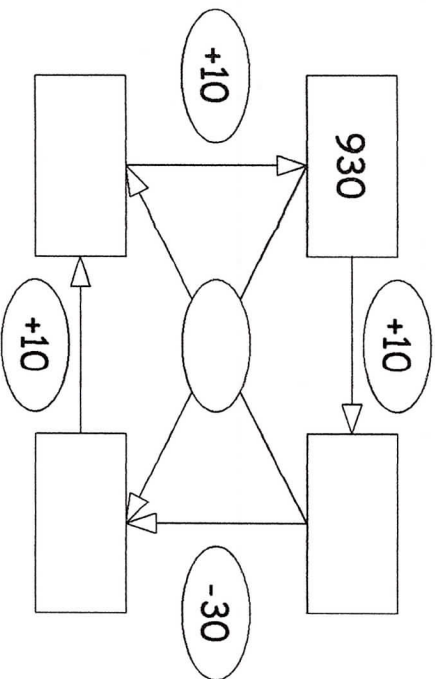
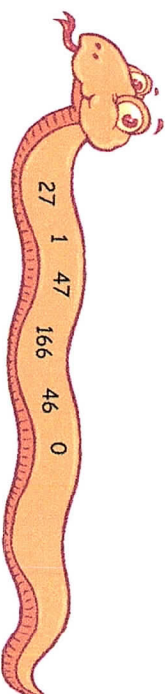
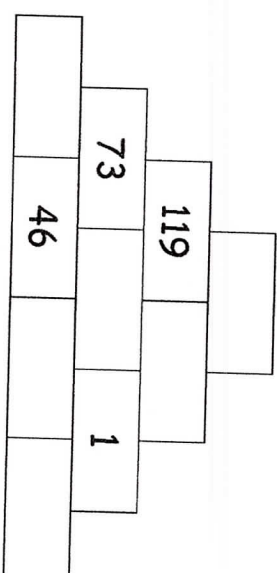
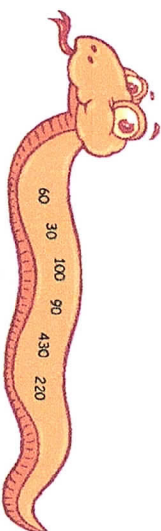
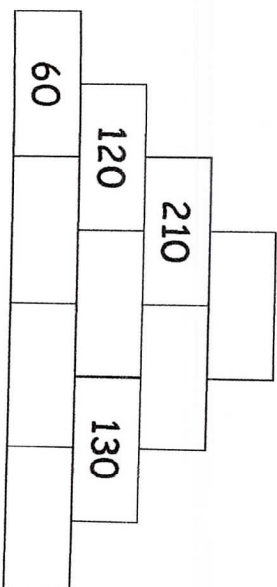
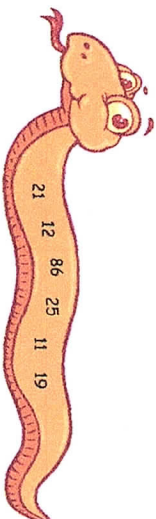
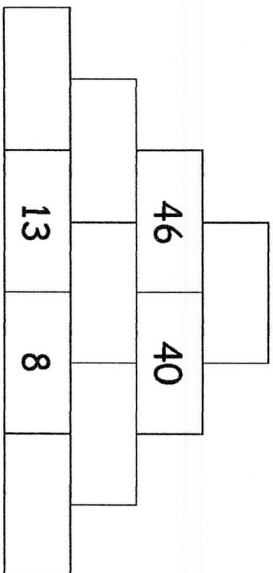
c)  $160 + 230$    $740 - 350$

$540 - 190$    $105 + 260$

$888 - 410$    $980 - 470$

$620 + 379$    $291 + 708$

# Arbeitsblatt 4



Zeichne Kreise mit den Radien 1,5 cm; 3 cm; 4,5 cm; 6 cm; 7,5 cm; 9 cm.  
Verwende als Mittelpunkte die Schnittstellen des Gitternetzes. Färbe dein Muster.

