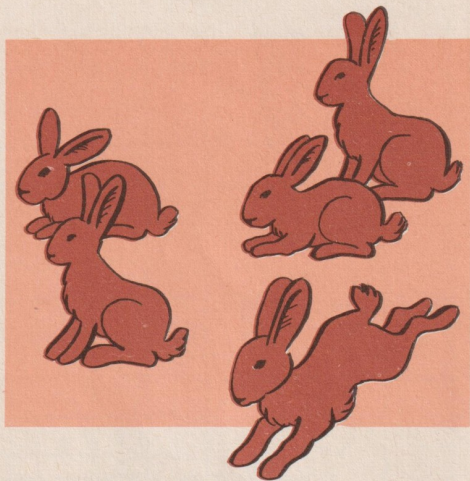


Mathematik

Klasse 1 Arbeitsheft 1



3

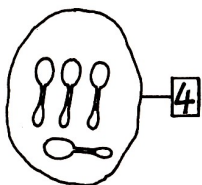
2 < 3

Autoren:
Prof. Dr. sc. Artur Wolf (Leiter des Autorenkollektivs)
Dr. Ellen Bülow
Dr. Horst Starke
unter Mitarbeit von Prof. Dr. Joachim Sieber

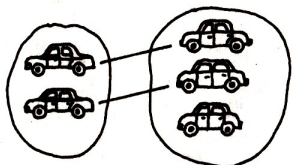
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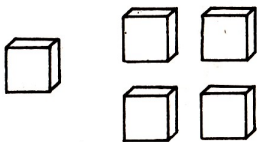
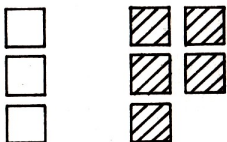
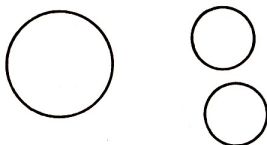
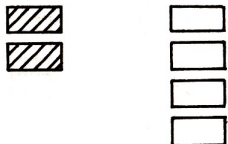
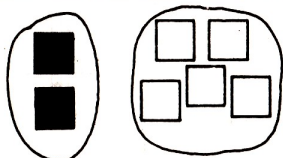
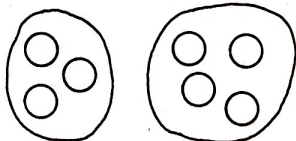
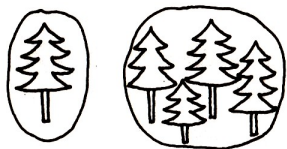
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4	4																		
4																			

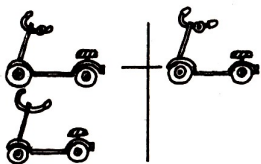


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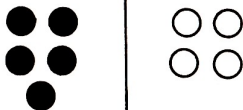
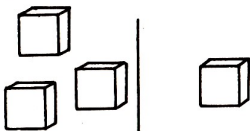
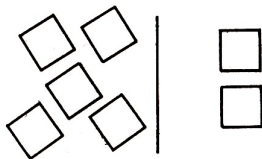
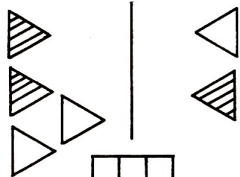
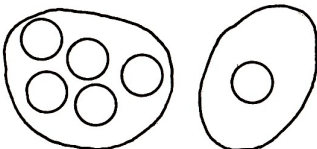
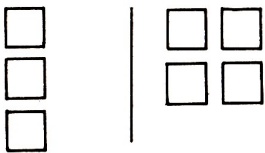


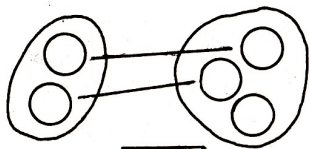
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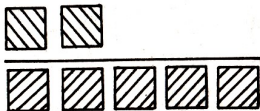
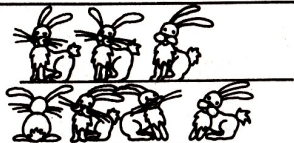
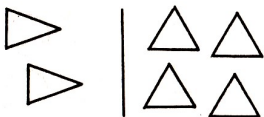
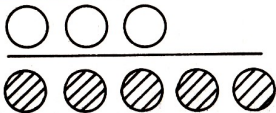
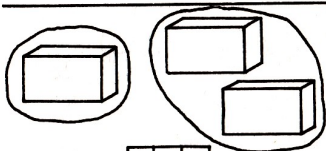
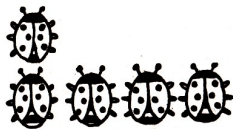


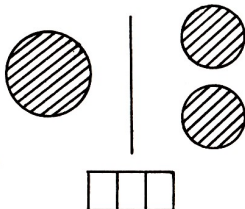
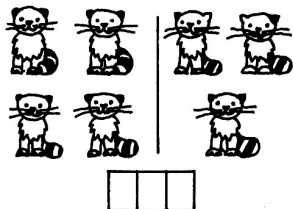
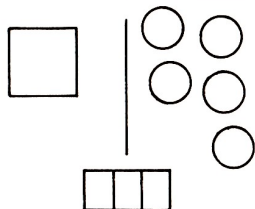
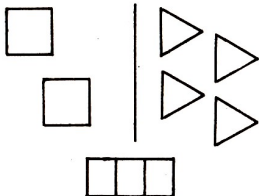
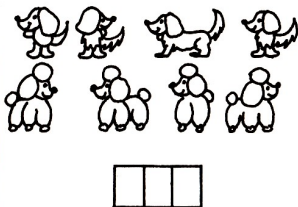
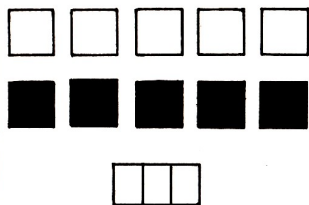
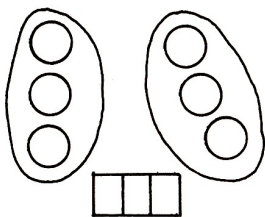
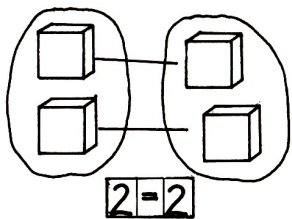
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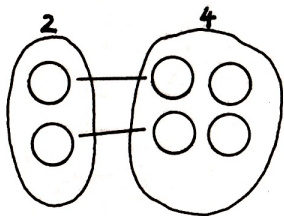




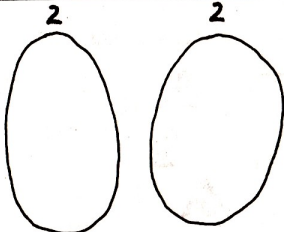
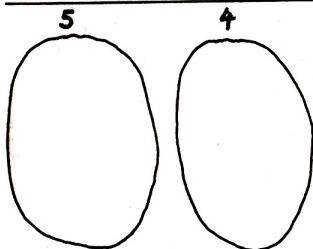
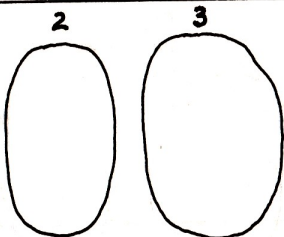
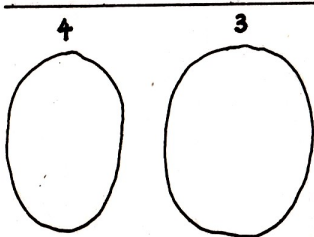
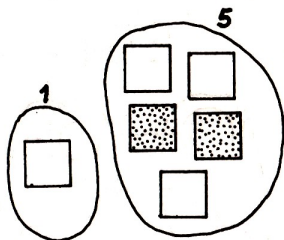
$$\begin{array}{|c|c|} \hline 2 < 3 \\ \hline 3 > 2 \\ \hline \end{array}$$



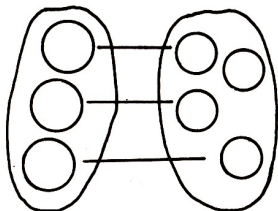




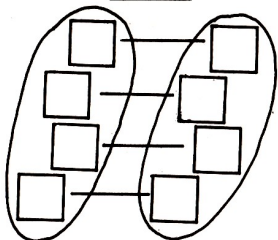
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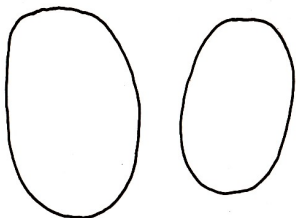
$3 < 4$



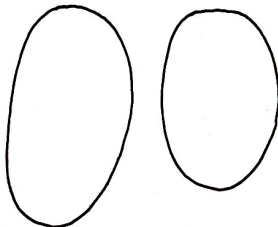
$4 = 4$



$5 > 2$



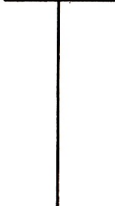
$3 > 2$












$3 = 3$













$2 > 1$









						1
3			5	2	1	




					2
$3 + 1 = 4$					

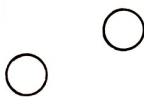
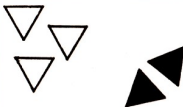

					3

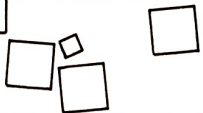
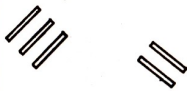

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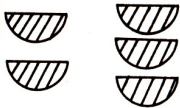

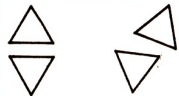
						5

5	2	5	2			6
---	---	---	---	--	--	---

1			
	2 + 2 = 4		

2			

3			

4			

5	1	3	1						
	2	4	2						
	5	3	5						
	4	2	4						
	5	1	5						

			1
$3 = 2 + 1$			

			2

			3

			4

			5

5252			6
------	--	--	---

1	2	<	4		4	7		10	4		5	10		
	7		3		8	8		7	9		6	3		
	8		9		9	3		6	6		2	5		
	5		8		1	4		10	7		9	9		
	6		7		10	8		5	3		8	6		

2	1			4							10
---	---	--	--	---	--	--	--	--	--	--	----

5		7		8		3		5
---	--	---	--	---	--	---	--	---

	3		4		6		5	
--	---	--	---	--	---	--	---	--

3	3	<	4		7	<	8		2	3		4	10	
	4	>	3											

4	8	>	7		5	>	4		9	8		6	5	
	7	<	8											

5	1	<	2		5	6		9	>	8		5	4	
	2		3		6	7		8		7		4	3	
	3		4		7	8		7		6		3	2	
	4		5		8	9		6		5		2	1	



1

1.

2.



2

1.

2.

10.

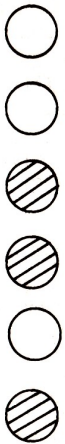


3

10.

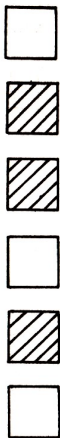
2.

1.



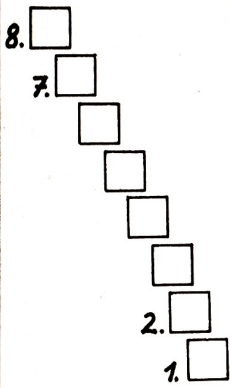
1.

2.



6.

1.



4

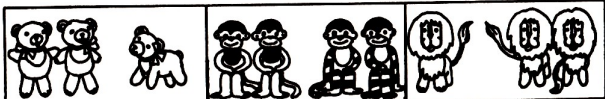
8.

7.

2.

1.

1



$$2 + 1 = 3$$

2



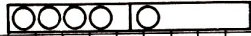
$$3 + 1 = 4$$



2

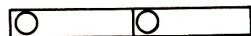


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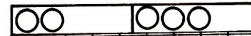
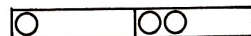


4

3



$$1 + 1 = 2$$



4

$$1 + 3$$

$$2 + 1$$



$$1 + 3 = 4$$

$$1 + 4$$

$$3 + 1$$

5

$$4 + 1$$

$$3 + 2$$




$$2 + 2$$

22

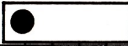


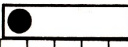


$$3 + 1$$

$$1 + 2$$

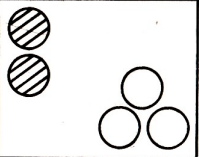
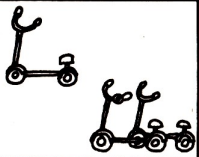
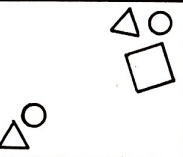
$$2 + 3$$

		
$3 - 2 + 1$		

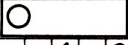
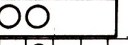



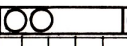
1

		
$3 - 1 + 2$		
		

2

		
$2 + 3 = 5$		
$3 + 2 = 5$		

3

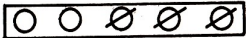
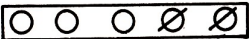
		
$1 + 2 = 3$		
$2 + 1 = 3$		
		

4

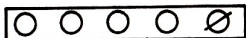
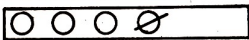
$2 + 1$	$1 + 2$	$4 + 1$
---------	---------	---------

5

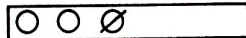
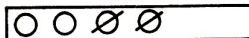
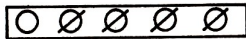
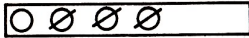
1



$5 - 2 = 3$



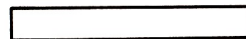
2



3

$4 - 1$

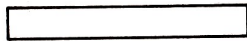
$5 - 2$



$4 - 1 = 3$

$3 - 2$

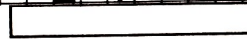
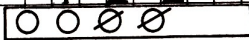
$4 - 3$



4

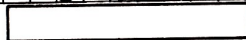
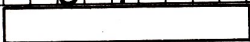
$4 - 2 = 2$

$2 - 1$



$5 - 1$

$3 - 1$



1	3 + 3	4 + 2	2 + 4
	○ ○ ○ ● ● ●		
	3 + 3 = 6		

2	3 + 2	2 + 1	4 + 2
	2 + 3	1 + 2	2 + 4

3	6 - 2	6 - 3	6 - 4
	○ ○ ○ ○ ● ●		
	6 - 2 = 4		

4	1 + 5	6 - 1	6 + 0
	5 + 1	6 - 5	6 - 0

5	3 - 1	6 - 2	6 - 3
	2 + 1	4 + 2	3 + 3

6	4 - 1	5 - 2	6 - 2
	4 - 3	5 - 3	6 - 4

$5+2$	$4+3$	$2+5$	1
○ ○ ○ ○ ○ ● ●			
$5+2=7$			

$3+1$	$2+5$	$4+3$	2
$1+3$	$5+2$	$3+4$	

$7-3$	$7-5$	$7-4$	3
○ ○ ○ ○ ● ● ●			
$7-3=4$			

$7-1$	$6+1$	$7-7$	4
$7-6$	$1+6$	$7-0$	

$4+2$	$4+3$	$5+2$	5
$2+4$	$3+4$	$2+5$	

$6-2$	$7-3$	$7-2$	6
$6-4$	$7-4$	$7-5$	

1		$2+a$		$a+3$
	$a=4$	$2+a=6$	$a=2$	
	$a=3$		$a=4$	
	$a=1$		$a=0$	
	$a=2$		$a=3$	

2		$a-1$		$a-3$
	$a=7$	$a-1=6$	$a=4$	
	$a=4$		$a=6$	
	$a=6$		$a=3$	
	$a=1$		$a=5$	

3		$a-2$		$e-3$
	$a=6$	$a-2=4$	$e=5$	
	$a=3$		$e=7$	
	$a=7$		$e=4$	
	$a=5$		$e=3$	
	$a=2$		$e=6$	

4		$5-i$		$7-a$
	$i=4$	$5-i=1$	$a=6$	
	$i=1$		$a=1$	
	$i=3$		$a=0$	
	$i=0$		$a=4$	
	$i=2$		$a=7$	

	$5+3$		$6+2$		$4+4$	1	
○	○	○	○	○			
●	●	●					
	$5+3=8$						
	$3+5=8$						
	$8-3=5$						
	$8-5=3$						

	$7+1$		$8+0$		$5+0$	2
	$1+7$		$0+8$		$5+1$	
	$8-1$		$8-0$		$5+2$	
	$8-7$		$8-8$		$5+3$	

	$2+2$		$2+5$		$2+6$	3
	$3+3$		$1+7$		$0+7$	
	$4+4$		$3+4$		$3+5$	

	$8-4$		$7-2$		$6-3$	4
	$8-2$		$8-6$		$7-6$	
	$8-3$		$6-2$		$6-6$	

○	○	○	○	○	●	●	●	○	○	○	●	●	●	●	5
	$8=5+3$														

○	○	○	○	○	○	○	●	○	○	●	●	●	●		
	$8=$														

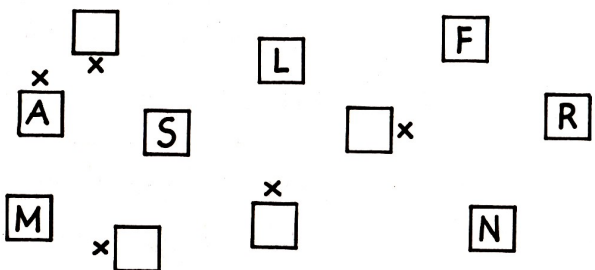
1	a	$a+3$	e	$e+2$	i	$i+1$
	4	7	2		2	
	0		1		0	
	1		5		6	
	5		6		4	
	2		4		3	

2	a	$2+a$	u	$1+u$	e	$3+e$
	5	7	2		3	
	1		6		1	
	0		7		4	
	3		0		0	
	4		4		2	

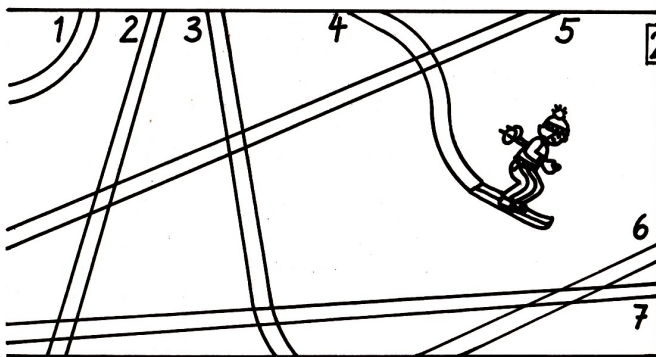
3	a	$7-a$	e	$8-e$	i	$5-i$
	5	2	5		4	
	1		2		1	
	6		6		3	
	4		0		5	
	2		3		2	

4	u	$u-3$	a	$a-2$	e	$e-1$
	5	2	7		8	
	7		4		1	
	4		2		7	
	3		8		3	
	8		5		5	

1



2



3

A x x E

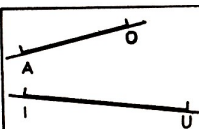
l x  x O

F x  x N

x M

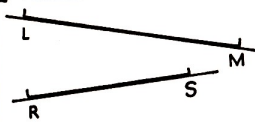
Zeichne!

\overline{AE}	\overline{IF}
\overline{AT}	\overline{IM}
\overline{TO}	\overline{IN}
\overline{EO}	\overline{FM}
	\overline{MN}



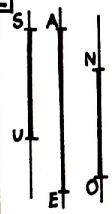
\overline{AO} ist kürzer als \overline{IU} .
 \overline{IU} ist länger als \overline{AO} .

1



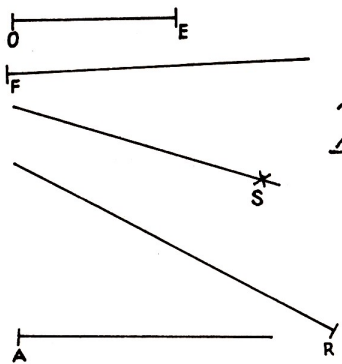
--- ist kürzer als ---
 --- ist länger als ---

2

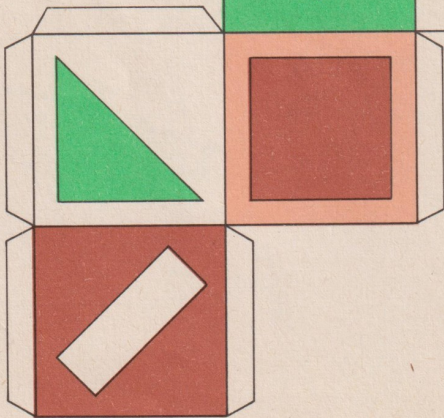
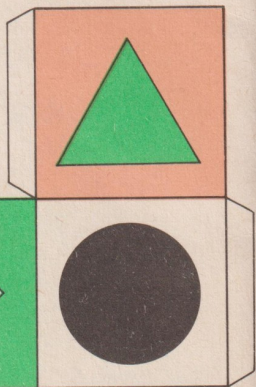
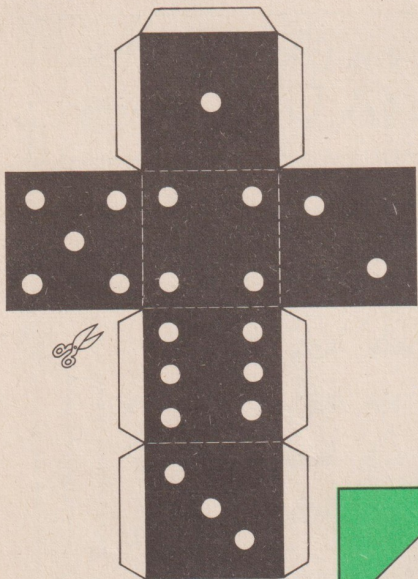


--- ist kürzer als ---
 --- ist kürzer als ---
 --- ist länger als ---
 --- ist länger als ---
 --- und --- sind gleich lang.

3



Zeichne Strecken!
 länger als \overline{OE} | kürzer als \overline{OE}
 \overline{FL} | \overline{AI}
 \overline{MS} | \overline{UR}



Kurzwort:
000113
Mathe.Arb-H1, K11
Schulpreis
DDR: -,20