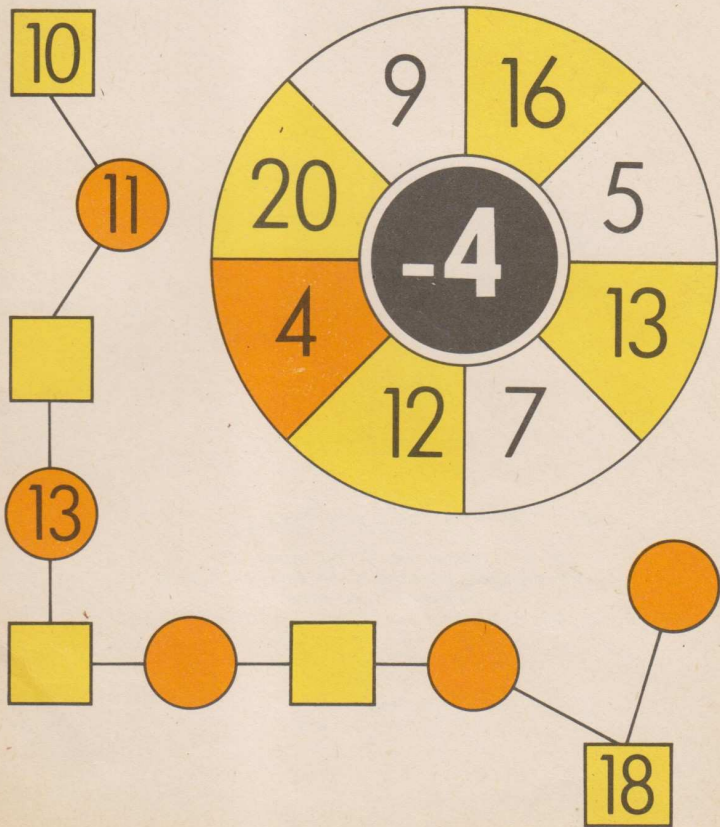


# Mathematik

## Klasse 1 Arbeitsheft 2



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Vom Ministerium für Volksbildung der Deutschen Demokratischen  
Republik als Schulbuch bestätigt.

ISBN 3-06-000117-0

4. Auflage

© Volk und Wissen Volkseigener Verlag, Berlin 1986  
Lizenz-Nr. 203-1000/90 (UN 00 01 17-4)

Printed in the German Democratic Republic

Gesamtherstellung: Druckerei Neues Deutschland, Berlin  
Redaktion: Heinz Junge

Typographische Gestaltung und Zeichnungen: Georg Krusche

Einband: Atelier vvv, Karl-Heinz Bergmann

Redaktionsschluß: 18. Juli 1989

LSV 0681

Bestell-Nr. 731 338 9

Schulpreis DDR: 0,20

$3+a=5$	$2+a=7$	$4+m=8$	1
$a=2$	$a=...$	$m=...$	

$3+i=8$	$2+m=6$	$0+a=8$
$i=...$	$m=...$	$a=...$

$5-a=2$	$8-a=5$	$7-l=4$	2
$a=3$	$a=...$	$l=...$	

$8-a=6$	$7-l=3$	$8-i=1$
$a=...$	$l=...$	$i=...$

$2 < 4$ , denn	$2+2=4$	3
$3 < 5$ , denn		
$4 < 9$ , denn		

$4 > 3$ , denn	$4=3+1$
$6 > 4$ , denn	
$9 > 5$ , denn	

$9+0$	$6+0$	$8-2$	4
$9-7$	$6+3$	$6-5$	
$8+1$	$7-4$	$6+3$	
$8-5$	$5-5$	$5-4$	
$5+4$	$3+4$	$1-1$	

$7+2$

$5+4$

$6+3$

○○○○○○○○



1  $7+2=9$

$2+7=9$

$9-2=7$

$9-7=2$

2  $8+1$

$9+0$

$2+4$

$1+8$

$0+9$

$3+4$

$9-1$

$9-0$

$4+4$

$9-8$

$9-9$

$5+4$

3  $3+6$

$9-5$

$3+5$

$2+4$

$7-3$

$9-3$

$5+2$

$8-5$

$4+5$

$2+7$

$6-0$

$9-7$

4 

9	
---	--

7	
---	--

8	
---	--

8	1
7	





$6+4$	$8+2$	$7+3$	
○○○○○○○○			
●●●●			
$6+4=10$			1
$4+6=10$			
$10-4=6$			
$10-6=4$			

$5+5$	$9-4$	$10-9$	2
$4+3$	$10-5$	$9+1$	
$4+6$	$10-0$	$2+8$	
$3+7$	$7-7$	$10-7$	

Summe 10	Summe 8	Summe 6	3
$9+1=10$			

$10-4=6$	$10-5$	4
denn $6+4=10$	denn	
$10-2$	$10-8$	
denn	denn	

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

2	$u$	$10-u$	$a$	$8-a$	$e$	$7-e$
	4		4		5	
	3		7		3	
	9		3		7	
	2		0		1	
	10		1		4	

3	$i$	$i-6$	$u$	$u-4$	$a$	$a-5$
	7		7		7	
	10		10		10	
	8		8		9	
	6		4		5	
	9		9		8	

4	$e$	$5+e$	$i$	$10-i$	$u$	$u-3$
	1		2		7	
	3		7		9	
	0		3		10	
	5		10		5	

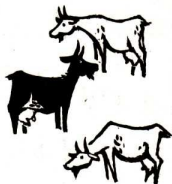
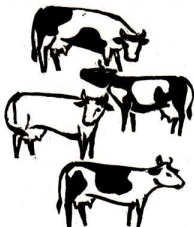
Summe 9	Summe 7	Summe 5	1
$7 + 2 = 9$			

$3 + a = 10$ $a = \dots$	$7 + e = 9$ $e = \dots$	$5 + i = 8$ $i = \dots$	2
$7 + u = 8$ $u = \dots$	$4 + a = 10$ $a = \dots$	$6 + e = 8$ $e = \dots$	

Differenz 3	Differenz 4	Differenz 1	3
$10 - 7 = 3$			

$5 - a = 2$ $a = \dots$	$10 - e = 7$ $e = \dots$	$9 - u = 7$ $u = \dots$	4
$8 - u = 6$ $u = \dots$	$10 - e = 0$ $e = \dots$	$10 - a = 2$ $a = \dots$	

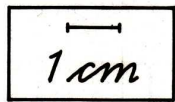
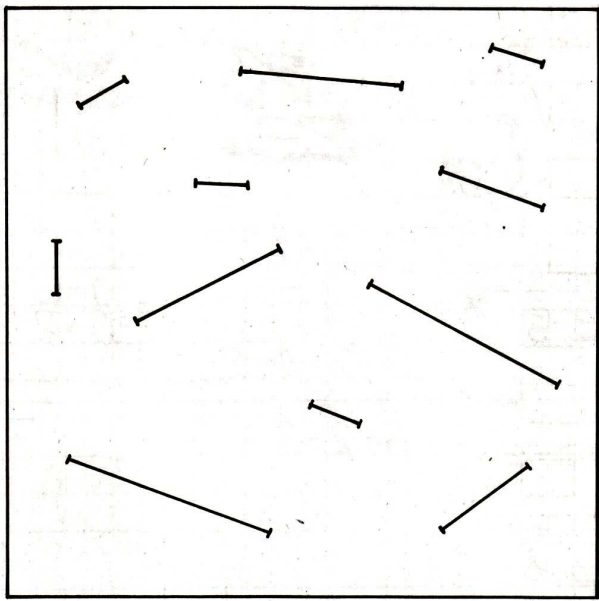
$10 - 4$	$9 - 7$	$6 + 2$	5
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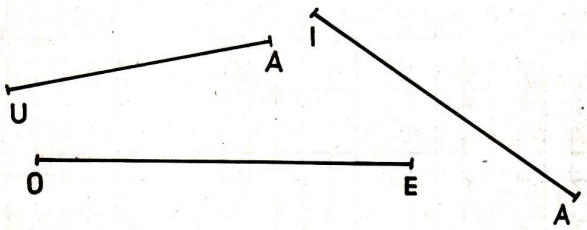
1					$2+4+3$				
	$2+4=6$							$4+3=7$	
	$6+3=9$							$2+7=9$	
					$2+4+3=9$				
2					$3+2+1$				
3					$2+5+1$				
4	$5+2+1$					$2+6+1$			
	$4+4+2$					$4+3+3$			
5	$1+2+7$					$3+3+3$			
	$5+2+2$					$2+1+1$			



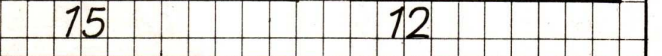
1



2







$a$	$10+a$	$a$	$10+a$	$10+a$	$a$	$10+a$	$a$
3	13	8		15	5	17	
7		1		12		11	
4		6		18		19	
2		0		13		14	
5		9		16		10	

3





7	$13+5$	①	$14+3$	$11+2$
	$3+5=8$	8	$4+3$	$1+2$
		②		
	$13+5=18$		$16+1$	$12+7$
	$3+5=8$	8	$6+1$	$2+7$

2	$11+4$	$12+5$	$15+4$
	$14+6$	$13+3$	$16+2$
	$12+6$	$11+7$	$17+3$

3	$15+2$	$14+1$	$13+4$
	$11+3$	$13+5$	$11+6$
	$12+1$	$11+8$	$15+3$
	$14+4$	$12+4$	$14+5$
	$13+7$	$17+2$	$12+8$

4	$4+12$	$6+13$
	$12+4$	$13+6$
	$5+15$	$2+16$
	$15+5$	$16+2$

$15-3$	①	$16-2$	$17-5$	1
$5-3=2$	2	$6-2$	$7-5$	
	②			
$15-3=12$		$19-6$	$20-2$	
$5-3=2$		$9-6$	$10-2$	

$18-5$	$17-3$	$14-1$	2
$14-3$	$15-4$	$18-2$	
$16-4$	$19-3$	$20-5$	

$12-1$	$20-6$	$15-2$	3
$16-3$	$18-7$	$17-7$	
$19-5$	$16-5$	$20-3$	
$17-4$	$19-4$	$18-6$	
$14-2$	$17-6$	$19-8$	

	$16-2=14$	$19-2$	4
denn	$14+2=16$	denn	
	$17-5$	$18-4$	
denn		denn	



1	$a$	$a+4$	$a$	$a+4$	$u$	$u-2$	$u$	$u-2$
	3		13		4		14	
	1		11		7		17	
	5		15		3		13	
	2		12		5		15	
	6		16		6		16	

2	$a$	$13+a$	$i$	$i+12$	$e$	$18-e$	$\sigma$	$20-\sigma$
	4		2		3		1	
	6		4		5		5	
	3		5		2		3	
	5		7		6		8	
	7		3		4		10	

3	$5+x=8$	$2+x=6$	$3+x=9$
	$x=3$	$x=...$	$x=...$
	$10-x=7$	$10-x=9$	$9-x=4$
	$x=...$	$x=...$	$x=...$

4	$13-2$	$19-5$	$14-3$
	$17-4$	$17-6$	$16-6$
	$20-6$	$15-4$	$19-4$
	$18-5$	$18-3$	$17-5$
	$15-3$	$16-5$	$18-7$



17		19		16		20		1
15	2	16			1	19		
11			2		6	10		
10			4	12		20		
17		11		14		15		

$a$	$12+a$	$e$	$17-e$	$i$	$i-5$	$u$	$19-u$	2
4		3		19		6		
7		6		17		9		
0		0		20		4		
6		7		15		1		

$12 < 16,$                      $17 > 14,$   
*denn*  $12 + 4 = 16$      $17 = 14 + 3$

$17 \quad 19,$                      $11 \quad 15,$     3  
*denn*                                *denn*

$14 \quad 12,$                      $18 \quad 14,$   
*denn*                                *denn*

$11 \quad 16,$                      $17 \quad 13,$     4  
*denn*                                *denn*

$20 \quad 18,$                      $16 \quad 20,$   
*denn*                                *denn*

1

$8 + 3$

$9 + 2$

$8 + 2 = 10$

$10 + 1 = 11$

$8 + 3 = 11$

$9 + 2$

$3 + 8 = 11$

$2 + 9$

2

$6 + 5$

$7 + 4$

$6 + 5$

$7 + 4$

$5 + 6$

$4 + 7$

3

$4 + 2$

$8 + 3$

$6 + 5$

$2 + 4$

$3 + 8$

$5 + 6$

$9 + 2$

$5 + 4$

$7 + 4$

$2 + 9$

$4 + 5$

$4 + 7$

4

$2 + 2$

$1 + 1$

$6 + 0$

$4 + 4$

$5 + 5$

$6 + 5$

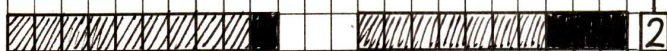
$3 + 3$

$0 + 0$

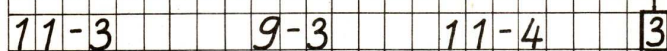
$0 + 8$



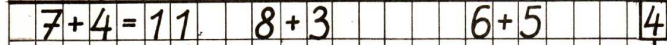
$11-3$	$11-5$
$11-1=10$	
$10-2=8$	
$11-3=8$	$11-5$
$11-8=3$	$11-6$



$11-2$	$11-4$
$11-2$	$11-4$
$11-9$	$11-7$



$11-3$	$9-3$	$11-4$
$11-8$	$9-6$	$11-7$
$11-2$	$11-5$	$10-4$
$11-9$	$11-6$	$10-6$



$7+4=11$	$8+3$	$6+5$
$4+7=11$		
$11-4=7$		
$11-7=4$		

1	$9+3$	$7+5$	$8+4$
	$9+1=10$		
	$10+2=12$		
	$9+3=12$	$7+5$	$8+4$
	$3+9=12$	$5+7$	$4+8$
2	$12-4$	$12-3$	$12-5$
	$12-2=10$		
	$10-2=8$		
	$12-4=8$	$12-3$	$12-5$
	$12-8=4$	$12-9$	$12-7$
3	$7+5$	$8+4$	$9+2$
	$5+7$	$4+8$	$2+9$
4	$12-4$	$11-5$	$5+5$
	$12-8$	$11-6$	$10-5$
	$11-2$	$12-5$	$6+6$
	$11-9$	$12-7$	$12-6$
5	$8+4=12$	$7+5$	$9+3$
	$4+8=12$		
	$12-4=8$		
	$12-8=4$		

1

$12 - 3$

$9 + 3 = 12$

$3 + 9 = 12$

$12 - 3 = 9$

$12 - 5$

$12 - 9$

$12 - 7$

2

$12 - 4 = 8,$

$12 - 6$

denn  $8 + 4 = 12$  denn

$11 - 6$

$12 - 8$

denn , denn

$9 - 8$

$11 - 9$

denn , denn



1	$9+4$		$8+5$		$7+6$
	$9+1=10$				
	$10+3=13$				
	$9+4=13$	$8+5$		$7+6$	
	$4+9=13$	$5+8$		$6+7$	

2	$13-4$	$13-5$	$13-6$
	$13-3=10$		
	$10-1=9$		
	$13-4=9$	$13-5$	$13-6$
	$13-9=4$	$13-8$	$13-7$

3	$8+5$	$7+6$	$8+3$
	$5+8$	$6+7$	$3+8$

4	$13-4$	$12-4$	$13-6$
	$13-9$	$12-8$	$13-7$

5	$8+5$	6	$a+5$	$l$	$l+7$
	$5+8$	8		6	
	$13-5$	5		0	
	$13-8$	3		4	
	$7+6$	7		1	
	$9+4$	6		3	



	$13-4=9$		$13-6$	1
denn	$9+4=13$	denn		

	$12-4$		$13-5$	
denn		denn		

	$11-6$		$12-6$	2
denn		denn		

	$7-5$		$11-4$	
denn		denn		

$i$	$13-i$	$u$	$u+6$	$a$	$a-7$	3
4		6		13		
7		5		10		
9		7		11		
8		2		7		
5		4		12		

$e$	$e+5$	$i$	$7+i$	$u$	$u-6$	4
5		6		13		
8		2		10		
6		4		9		
7		3		11		
4		5		6		

1	$8+6$		$9+5$		$7+7$
	$6+8$		$5+9$		
	$14-6$		$14-5$		$14-7$
	$14-8$		$14-9$		

2	$14-5=9$ ,	$14-6$
	denn $9+5=14$	denn
	$12-5$ ,	$14-7$
	denn	denn
	$11-6$ ,	$13-5$
	denn	denn

3	$a$	$a+7$	$e$	$5+e$	$i$	$i+4$
	7		6		8	
	4		9		12	
	0		7		9	
	3		1		16	
	6		8		2	

4	$u$	$u-7$	$a$	$14-a$	$e$	$e-8$
	10		5		10	
	14		2		14	
	9		4		18	
	13		7		12	

5+6			14-7			12-7		1
8+4			12-4			9-6		
9+5			14-6			14-8		
6+8			11-5			14-5		

a	e	a+e	e	i	e+i	i	u	i+u	2
9	5		7	7		3	9		
8	3		4	9		7	6		
6	2		5	9		8	4		
7	0		6	1		8	6		
8	6		8	5		8	1		

a	e	a-e	e	u	e-u	5+4	3
13	6		14	6		9-6	
14	5		11	5		3+7	
12	3		13	7		1+5	
14	7		14	5		8-3	
14	3		14	0		7-4	

14-7		18-6		12-1			4
13-6		13-6		12-4			
12-4		19-4		16-5			
11-8		11-4		14-9			
10-4		14-8		14-5			

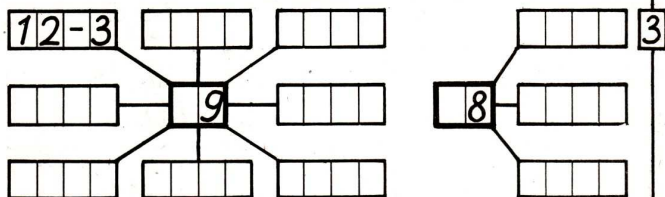
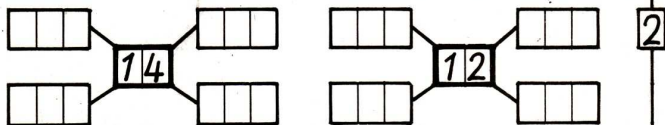
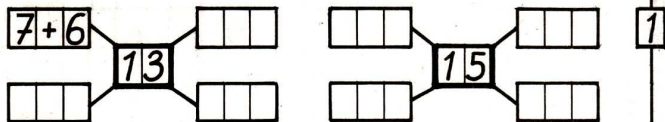
	17			10			19	5	23
--	----	--	--	----	--	--	----	---	----

1	$9+6$			$8+7$		
	$6+9$			$7+8$		
	$15-6$			$15-7$		
	$15-9$			$15-8$		

2	$8+7$	$13-7$	$9+5$
	$4+7$	$15-6$	$15-9$
	$7+8$	$14-9$	$15-7$
	$4+8$	$15-8$	$6+9$
	$9+6$	$12-5$	$5+8$

3	$6+9$	$15-8$	$13-6$
	$12+5$	$15-5$	$14-6$
	$3+9$	$15-9$	$15-6$
	$14+6$	$15-4$	$9+6$
	$7+8$	$15-2$	$9+5$

4	$15-6=9$	$14-8$
	denn $9+6=15$	denn
	$13-9$	$15-9$
	denn	denn
	$15-8$	$14-5$
	denn	denn



<i>a</i>	<i>e</i>	<i>a+e</i>	<i>i</i>	<i>u</i>	<i>i-u</i>	<i>a</i>	<i>e</i>	<i>a-e</i>
7	7		15	6		14	7	
6	9		12	7		15	7	
4	9		15	8		13	8	
5	7		13	4		11	5	
7	8		11	9		15	9	

13+6		15-4		14+6	
13-6		15+4		14-6	
12+7		11+9		13-5	
12-7		11-9		13+5	



1	$9+7$		$8+8$		
	$7+9$				
	$16-7$		$16-8$		
	$16-9$				

2	$3+8$	$12-5$	$15-6$
	$5+9$	$16-9$	$8+6$
	$8+8$	$15-7$	$7+9$
	$6+4$	$13-6$	$5+7$
	$9+7$	$16-7$	$16-8$

3	$0+6$	$11-5$	$18+2$
	$9+7$	$16-8$	$8+8$
	$12+8$	$16-3$	$15-8$
	$16+0$	$14-4$	$16-9$
	$7+9$	$16-7$	$14-0$

4	$9 < 16,$	$16 > 9$
	denn $9+7=16$	denn $9+7=16$
	$8 < 16,$	$14 > 6,$
	denn	denn
	$7 < 15,$	$16 > 7,$
	denn	denn



$8+4+3$			$12-4-3$							1
$6+6+6$			$16-9-4$			$11-4$				
$9+2+5$			$14-5-9$			$13-5$				
$7+9+4$			$13-8-2$			$12-7$				

$8+1+4$			$13-1-4$							2
$8+2+3$			$13-2-3$			$7+8$				
$8+3+2$			$13-3-2$			$8+7$				
$8+4+1$			$13-4-1$			$9+6$				

16	$\frac{9}{7}$	$\frac{12}{4}$			

14					

13					

15					

$6+x=12$	$9+x=16$	$8+x=13$	4
$x=6$			

$4+x=16$	$9+x=15$	$8+x=16$	
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$13-x=8$	$16-x=7$	$14-x=9$	5
$x=5$			

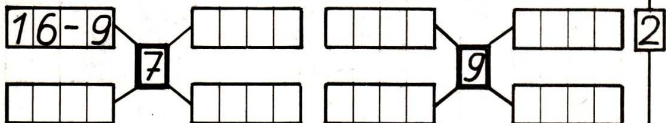
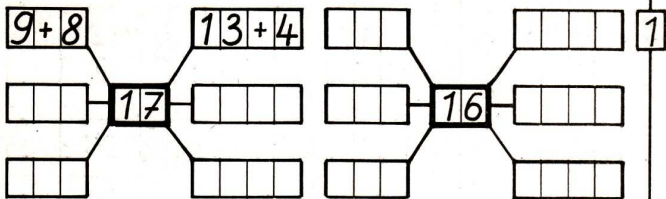
$11-x=5$	$16-x=8$	$4-x=0$	
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1	$9+8$		$9+9$
	$8+9$		
	$17-8$		$18-9$
	$17-9$		

2	$8+9$	$16-8$	$4+8$
	$3+9$	$13-6$	$17-8$
	$9+9$	$18-9$	$14-9$
	$9+5$	$17-9$	$9+8$

3	$12+6$	$17-8$	$15+4$
	$12-6$	$16-3$	$9+8$
	$8+9$	$9+9$	$15-7$
	$18-9$	$3+8$	$13+6$
	$11+9$	$14-4$	$17-9$

4	$1+1$	$9-9$	$18-0$
	$2+2$	$10-9$	$18-1$
	$3+3$	$11-9$	$18-2$
	$4+4$	$12-9$	$18-3$
	$5+5$	$13-9$	$18-4$
	$6+6$	$14-9$	$18-5$
	$7+7$	$15-9$	$18-6$
	$8+8$	$16-9$	$18-7$
	$9+9$	$17-9$	$18-8$
	$10+10$	$18-9$	$18-9$



$8+a < 11$	$8+e < 12$	$9+m < 12$	3
$a=0,1,2$			
$11-x > 8$	$12-a > 8$	$11-e > 9$	
$x=0,1,2$			
$7+m < 11$	$9+e < 13$	$12-i > 9$	

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%; text-align: center;">17</td><td style="width: 15%; text-align: center;">9</td><td style="width: 15%; text-align: center;">12</td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr> <tr><td style="text-align: center;"> </td><td style="text-align: center;">8</td><td style="text-align: center;">5</td><td></td><td></td></tr> </table>	17	9	12				8	5			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%; text-align: center;">18</td><td style="width: 15%; text-align: center;">11</td><td style="width: 15%; text-align: center;">0</td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr> <tr><td style="text-align: center;"> </td><td style="text-align: center;">7</td><td></td><td></td><td></td></tr> </table>	18	11	0				7				4
17	9	12																				
	8	5																				
18	11	0																				
	7																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%; text-align: center;">19</td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr> </table>	19					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%; text-align: center;">20</td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr> </table>	20															
19																						
20																						

$16-9$	$18-9$	$15-7$	5
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1	$9 + x = 12$ $x = \dots\dots$	$8 + a = 11$ $a = \dots\dots$	$7 + e = 14$ $e = \dots\dots$
---	----------------------------------	----------------------------------	----------------------------------

	$4 + i = 7$ $i$	$7 + u = 12$ $u$	$8 + a = 14$ $a$
--	--------------------	---------------------	---------------------

2	$13 - e = 7$ $e$	$14 - u = 6$ $u$	$18 - a = 9$ $a$
---	---------------------	---------------------	---------------------

	$17 - e = 9$ $e$	$16 - i = 8$ $i$	$18 - u = 12$ $u$
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3	$14 - a > 9$ $a$	$9 + e < 13$ $e$
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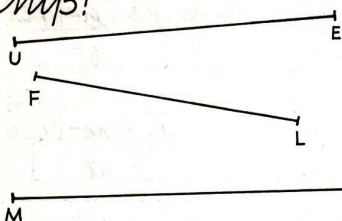
	$8 + i < 13$ $i$	$9 + u < 12$ $u$
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4	$12 - a > 9$ $a$	$7 - e > 4$ $e$
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	$8 - u > 5$ $u$	$13 - i > 9$ $i$
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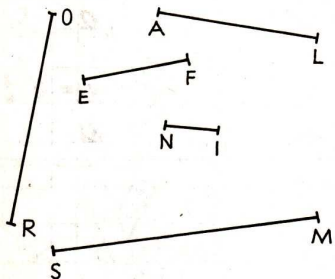
5	$7 < 12$ , denn $9 \quad 6$ , denn	$7 + 5 = 12$
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Miß!



Strecke	Länge
$\overline{UE}$	... cm
$\overline{FL}$	... cm
$\overline{MN}$	... cm

1

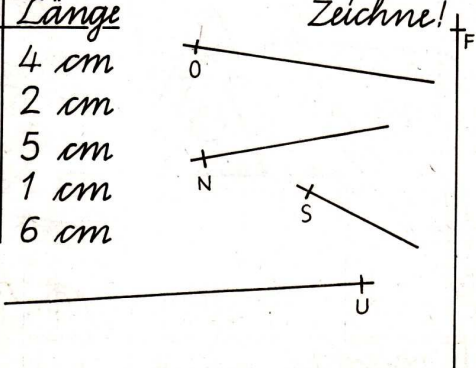


Strecke	Länge
$\overline{OR}$	... cm
$\overline{EF}$	... cm
$\overline{AL}$	... cm
$\overline{NI}$	... cm
$\overline{SM}$	... cm

2

Strecke	Länge
$\overline{OA}$	4 cm
$\overline{NL}$	2 cm
$\overline{FR}$	5 cm
$\overline{SM}$	1 cm
$\overline{TU}$	6 cm

Zeichne!

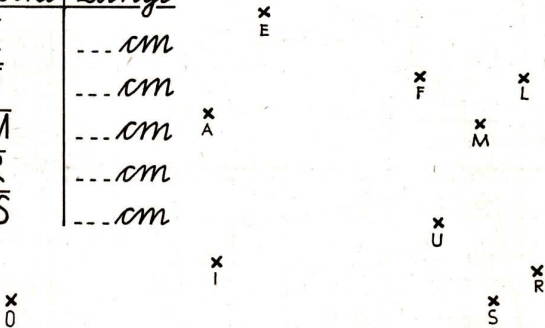


3

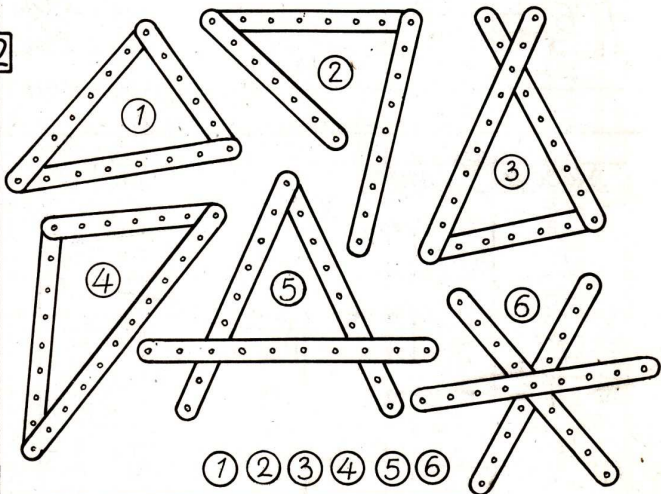


1 Zeichne Strecken! Miß ihre Länge!

Strecke	Länge
$\overline{EL}$	... cm
$\overline{AF}$	... cm
$\overline{UM}$	... cm
$\overline{IR}$	... cm
$\overline{OS}$	... cm

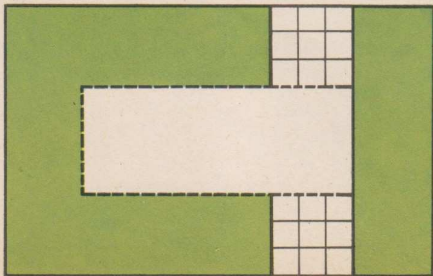
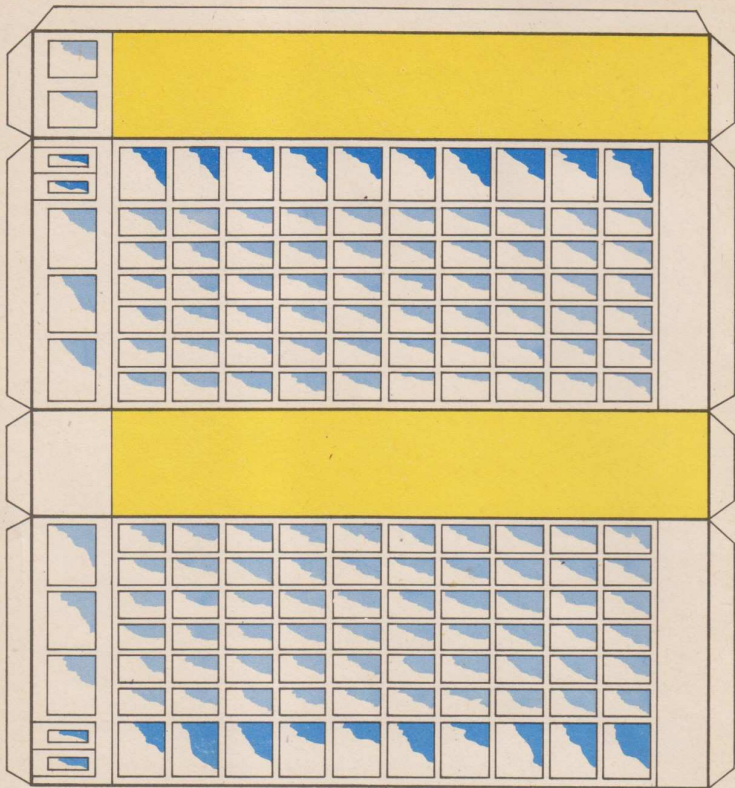


2



① ② ③ ④ ⑤ ⑥

Dreiecke



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Kurzwort:  
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Mathe.Arb-H2,  
K1  
Schulpreis  
DDR: -,20