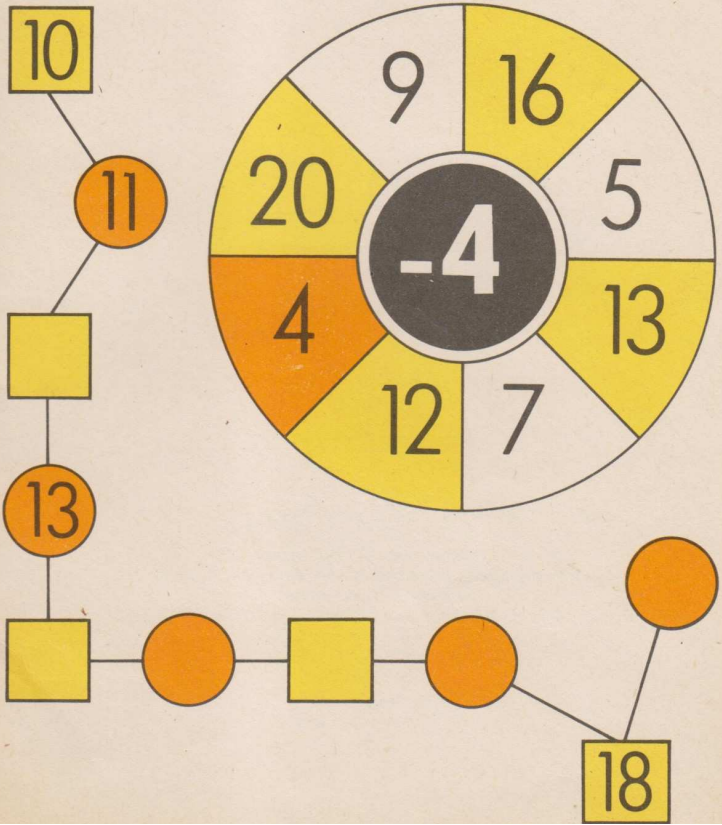
Mathematik

Klasse 1 Arbeitsheft 2



Leiter des Autorenkollektivs:
Prof. Dr. sc. Artur Wolf

Autoren:
Dr. Ellen Bülow, Dr. Horst Starke, Prof. Dr. sc. Artur Wolf
unter Mitarbeit von Prof. Dr. Joachim Sieber

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 vwv, Karl-Heinz Bergmann
Redaktionsschluß: 18. Juli 1989
LSV 0681
Bestell-Nr. 731 338 9
Schulpreis DDR: 0,20

1

$3 + a = 5$	$2 + a = 7$	$4 + u = 8$
$a = 2$	$a = \ldots$	$u = \ldots$
$3 + i = 8$	$2 + u = 6$	$0 + a = 8$
$i = \ldots$	$u = \ldots$	$a = \ldots$

2

$5 - a = 2$	$8 - a = 5$	$7 - e = 4$
$a = 3$	$a = \ldots$	$e = \ldots$
$8 - a = 6$	$7 - e = 3$	$8 - i = 1$
$a = \ldots$	$e = \ldots$	$i = \ldots$

3

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

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

4

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

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

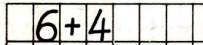
3

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
4+6=10
10−4=6
10−6=4

1

5+5 | 9−4 | 10−9
4+3 | 10−5 | 9+1
4+6 | 10−0 | 2+8
3+7 | 7−7 | 10−7

2

Summe 10	Summe 8	Summe 6
9+1=10		

3

10−4=6, denn 6+4=10

10−5 , denn

10−2 , denn

10−8 , denn

4

1

a	$a+4$
4	
6	
3	
0	
2	

e	$5+e$
1	
5	
0	
3	
2	

i	$i+3$
2	
7	
4	
0	
3	

2

u	$10-u$
4	
3	
9	
2	
10	

a	$8-a$
4	
7	
3	
0	
1	

e	$7-e$
5	
3	
7	
1	
4	

3

i	$i-6$
7	
10	
8	
6	
9	

u	$u-4$
7	
10	
8	
4	
9	

a	$a-5$
7	
10	
9	
5	
8	

4

e	$5+e$
1	
3	
0	
5	

i	$10-i$
2	
7	
3	
10	

u	$u-3$
7	
9	
10	
5	

Summe 9

$7 + 2 = 9$

Summe 7

Summe 5 1

$3 + a = 10$

$a = \ldots$

$7 + e = 9$

$e = \ldots$

$5 + i = 8$

$i = \ldots$

$7 + u = 8$

$u = \ldots$

$4 + a = 10$

$a = \ldots$

$6 + e = 8$

$e = \ldots$ 2

Differenz 3

$10 - 7 = 3$

Differenz 4

Differenz 1 3

$5 - a = 2$

$a = \ldots$

$10 - e = 7$

$e = \ldots$

$9 - u = 7$

$u = \ldots$ 4

$8 - u = 6$

$u = \ldots$

$10 - e = 0$

$e = \ldots$

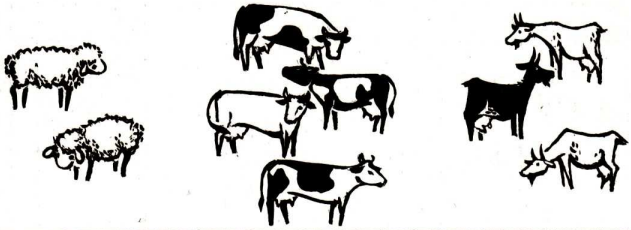
$10 - a = 2$

$a = \ldots$

$10 - 4$

$9 - 7$

$6 + 2$ 5



1

$2+4+3$

$2+4=6$
$6+3=9$

$4+3=7$
$2+7=9$

$2+4+3=9$

2

$3+2+1$

3

$2+5+1$

4

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

$2+6+1$
$4+3+3$

5

$1+2+7$
$5+2+2$

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

1

5 - 2 - 1

5 - 2 = 3
3 - 1 = 2

2 + 1 = 3
5 - 3 = 2

5 - 2 - 1 = 2

2

6 - 2 - 3

3

7 - 1 - 3

4

5 - 1 - 3
2 - 1 - 1

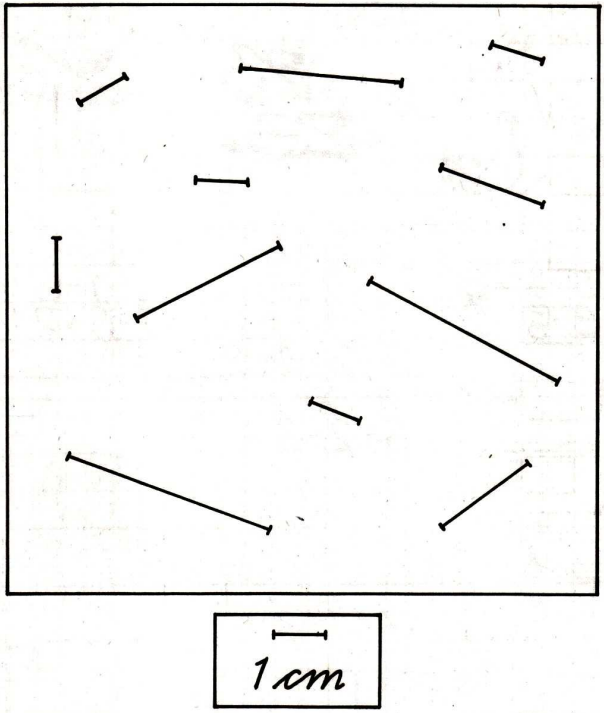
4 - 2 - 1
6 - 3 - 3

5

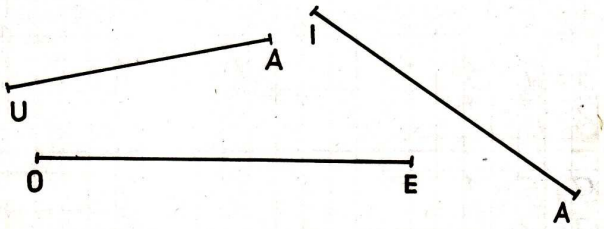
9 - 5 - 1
7 - 2 - 4

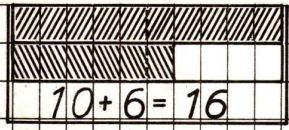
9 - 3 - 2
10 - 4 - 5

1

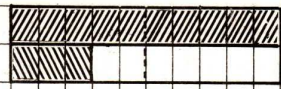


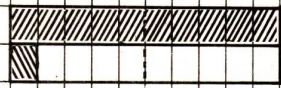
2

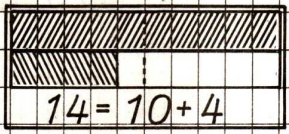




1

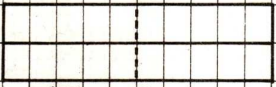


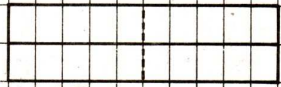




2

17

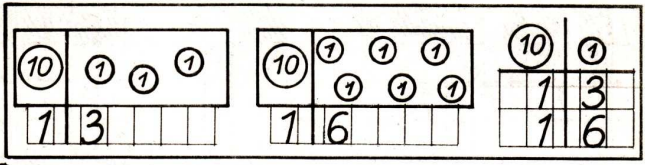




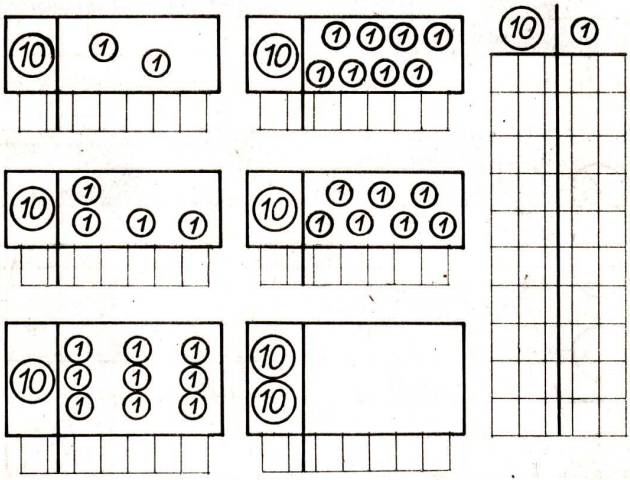
15

12

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



1



2

17 < 19,
denn 7 < 9

12 17,
denn

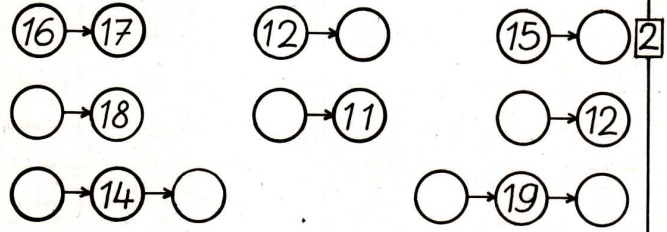
15 11,
denn

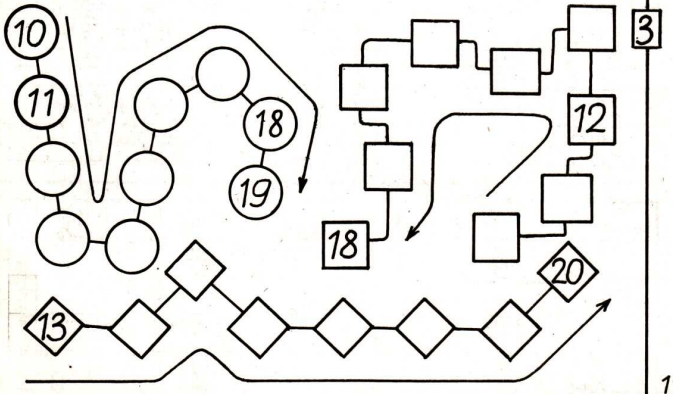
19 13,
denn

12 15,
denn

18 16,
denn

15	11	16	13	17	10	19	14	1
11	13	15	16	19	17	14	10	
20	18	12	14	17	7	13	3	
11	14	8	15	16	20	12	6	





1

13 + 5 ①	14 + 3	11 + 2
3 + 5 = 8	4 + 3	1 + 2
②		
13 + 5 = 18	16 + 1	12 + 7
3 + 5 = 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
5 - 3 = 2	6 - 2	7 - 5
②		
15 - 3 = 12	19 - 6	20 - 2
5 - 3 = 2	9 - 6	10 - 2

1

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

2

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

3

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

4

1

a	$a+4$	a	$a+4$	u	$u-2$	i	$u-2$
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	$18-e$	o	$20-o$
4		2		3		1	
6		4		5		5	
3		5		2		3	
5		7		6		8	
7		3		4		10	

3

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

4

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

1

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

2

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

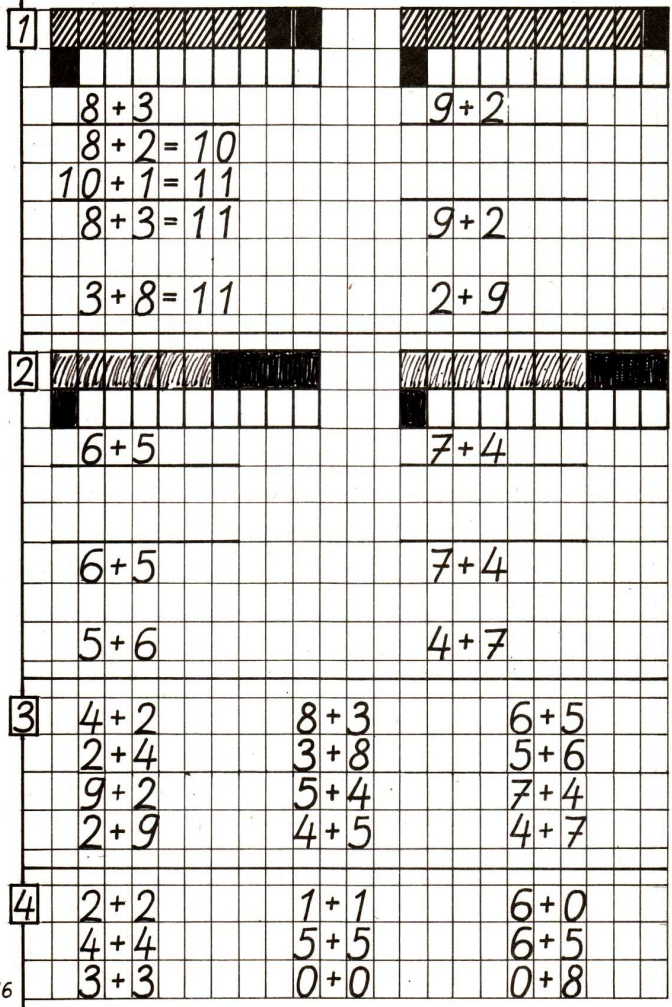
	12	<	16,			17	>	14,	
denn	12	+	4	=	16	17	=	14	+ 3

3

	17		19,			11		15,	
denn					denn				
	14		12,			18		14,	
denn					denn				

4

	11		16,			17		13,	
denn					denn				
	20		18,			16		20,	
denn					denn				


1
8 + 3
8 + 2 = 10
10 + 1 = 11
8 + 3 = 11
3 + 8 = 11
9 + 2
9 + 2
2 + 9
2
6 + 5
6 + 5
5 + 6
7 + 4
7 + 4
4 + 7
3
4 + 2
2 + 4
9 + 2
2 + 9
8 + 3
3 + 8
5 + 4
4 + 5
6 + 5
5 + 6
7 + 4
4 + 7
4
2 + 2
4 + 4
3 + 3
1 + 1
5 + 5
0 + 0
6 + 0
6 + 5
0 + 8

1

11 - 3

11 - 1 = 10
10 - 2 = 8
11 - 3 = 8

11 - 8 = 3

11 - 5

11 - 5

11 - 6

2

11 - 2

11 - 2

11 - 9

11 - 4

11 - 4

11 - 7

3

11 - 3
11 - 8
11 - 2
11 - 9

9 - 3
9 - 6
11 - 5
11 - 6

11 - 4
11 - 7
10 - 4
10 - 6

4

7 + 4 = 11
4 + 7 = 11
11 - 4 = 7
11 - 7 = 4

8 + 3

6 + 5

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		

12-3 1

9+3=12 3+9=12

12-3=9

12-5

12-9

12-7

12-4= 8, 12-6 , 2

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

$8+5$

$5+8$

$13-5$

$13-8$

$7+6$

$9+4$

6

a	$a+5$
8	
5	
3	
7	
6	

e	$e+7$
6	
0	
4	
1	
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, denn 9 + 5 = 14

14 - 6 , denn

12 - 5 , denn

14 - 7 , denn

11 - 6 , denn

13 - 5 , 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	

1

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

2

a	*e*	*a* + *e*	*e*	*i*	*e* + *i*	*i*	*u*	*i* + *u*
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	

3

a	*e*	*a* - *e*	*e*	*u*	*e* - *u*	5 + 4
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

4

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

5

17	10	19

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, denn 9 + 6 = 15

14 - 8 , denn

13 - 9 , denn

15 - 9 , denn

15 - 8 , denn

14 - 5 , denn

1

7 + 6 = 13

15

2

14

12

3

12 - 3 = 9

8

4

a	e	a+e	i	u	i-u	a	e	a-e
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	

5

13 + 6 = 19
13 - 6 = 7

15 - 4 = 11
15 + 4 = 19

14 + 6 = 20
14 - 6 = 8

12 + 7 = 19
12 - 7 = 5

11 + 9 = 20
11 - 9 = 2

13 - 5 = 8
13 + 5 = 18

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,
denn 9 + 7 = 16

16 > 9,
denn 9 + 7 = 16

8 < 16,
denn

14 > 6,
denn

7 < 15,
denn

16 > 7,
denn

1

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

2

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

3

16	9	12
	7	4

14	

13	

15	

4

6 + x = 12	9 + x = 16	8 + x = 13
x = 6		
4 + x = 16	9 + x = 15	8 + x = 16

5

13 - x = 8	16 - x = 7	14 - x = 9
x = 5		
11 - x = 5	16 - x = 8	4 - x = 0

1

9 + 8	9 + 9
8 + 9	
17 - 8	18 - 9
17 - 9	

2

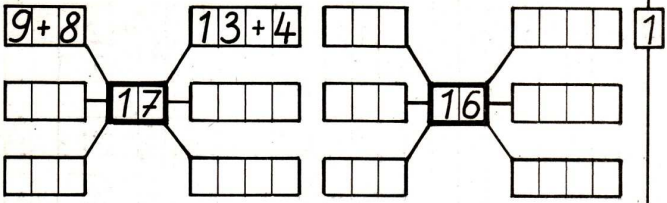
8 + 9	16 - 8	4 + 8
3 + 9	13 - 6	17 - 8
9 + 9	18 - 9	14 - 9
9 + 5	17 - 9	9 + 8

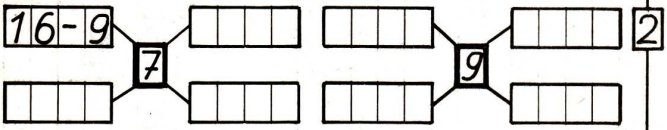
3

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





3

$8 + a < 11$ $8 + e < 12$ $9 + u < 12$

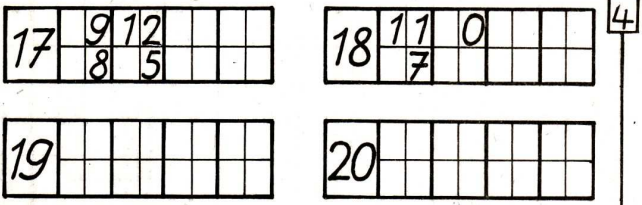
$a = 0,1,2$

$11 - x > 8$ $12 - a > 8$ $11 - e > 9$

$x = 0,1,2$

$7 + u < 11$ $9 + e < 13$ $12 - i > 9$

4



5

16-9 18-9 15-7

1

$9 + x = 12$ $\quad x = \ldots\ldots$ $\qquad 8 + a = 11$ $\quad a = \ldots\ldots$ $\qquad 7 + e = 14$ $\quad e = \ldots\ldots$

$4 + i = 7$ $\qquad 7 + u = 12$ $\qquad 8 + a = 14$

2

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

$17 - e = 9$ $\qquad 16 - i = 8$ $\qquad 18 - u = 12$

3

$14 - a > 9$ $\qquad 9 + e < 13$

$8 + i < 13$ $\qquad 9 + u < 12$

4

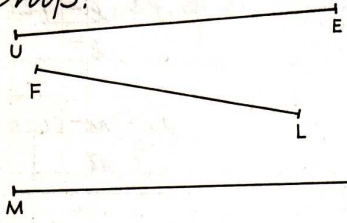
$12 - a > 9$ $\qquad 7 - e > 4$

$8 - u > 5$ $\qquad 13 - i > 9$

5

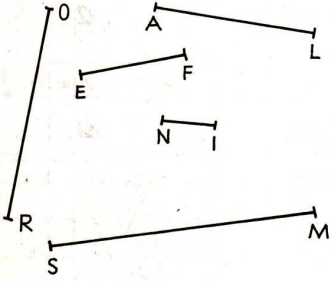
$7 < 12$, denn $9 < 6$, denn $\qquad 7 + 5 = 12$

Miß!



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

1

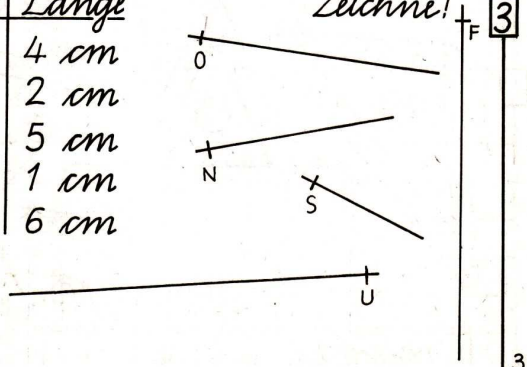


Strecke	Länge
$\overline{OR}$	... cm
$\overline{EF}$	... cm
$\overline{AL}$	... cm
$\overline{NI}$	... cm
$\overline{SM}$	... cm

2

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

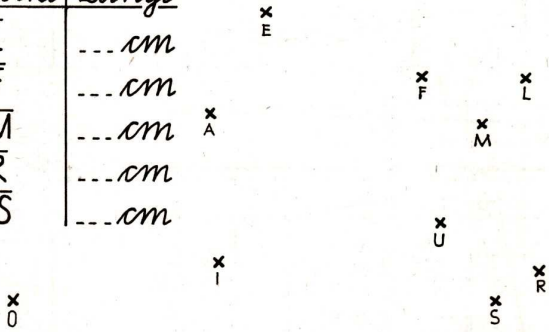
Zeichne!



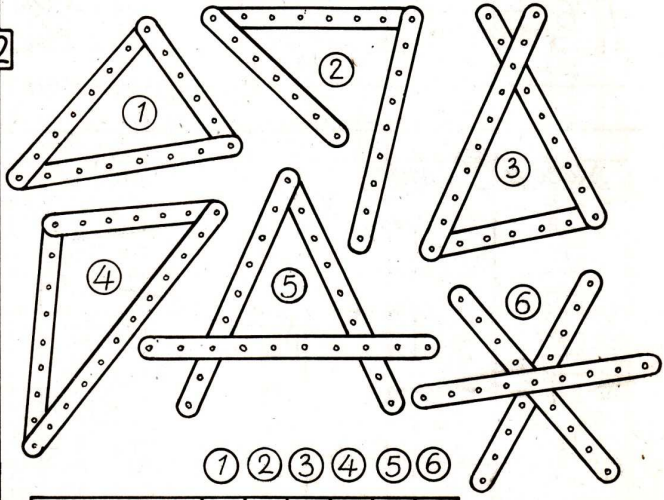
3

1 Zeichne Strecken! Miß ihre Länge!

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

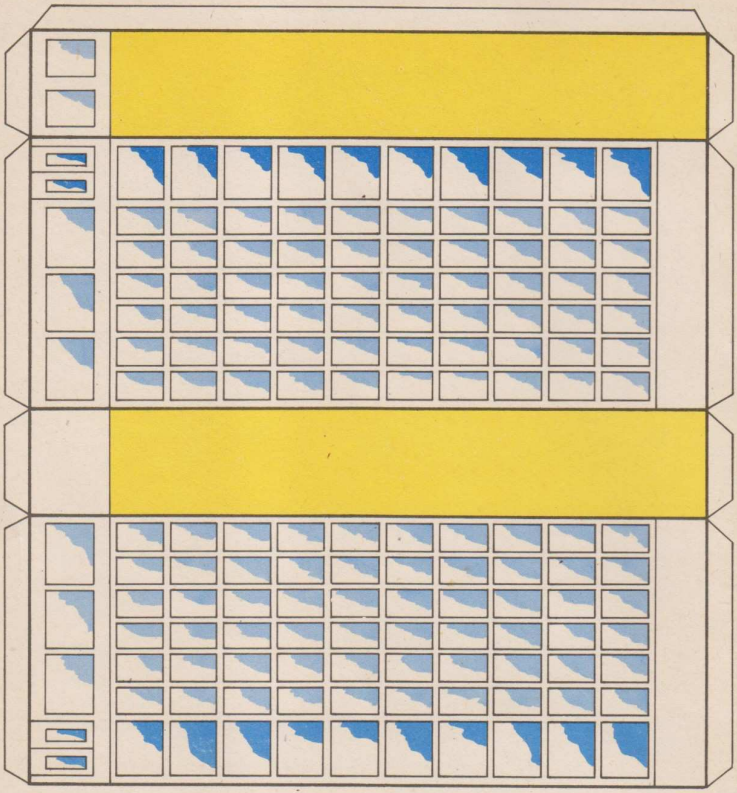


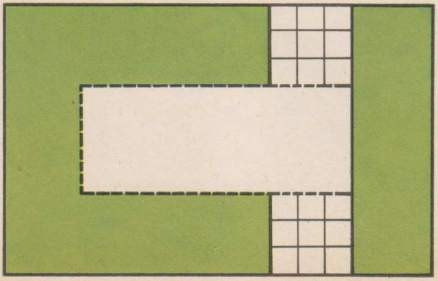
2



① ② ③ ④ ⑤ ⑥

Dreiecke | | | | | | |





ISBN
3-06-
000117-0
Kurzwort:
000117
Mathe.Arb-H2,
Kl1
Schulpreis
DDR: –,20