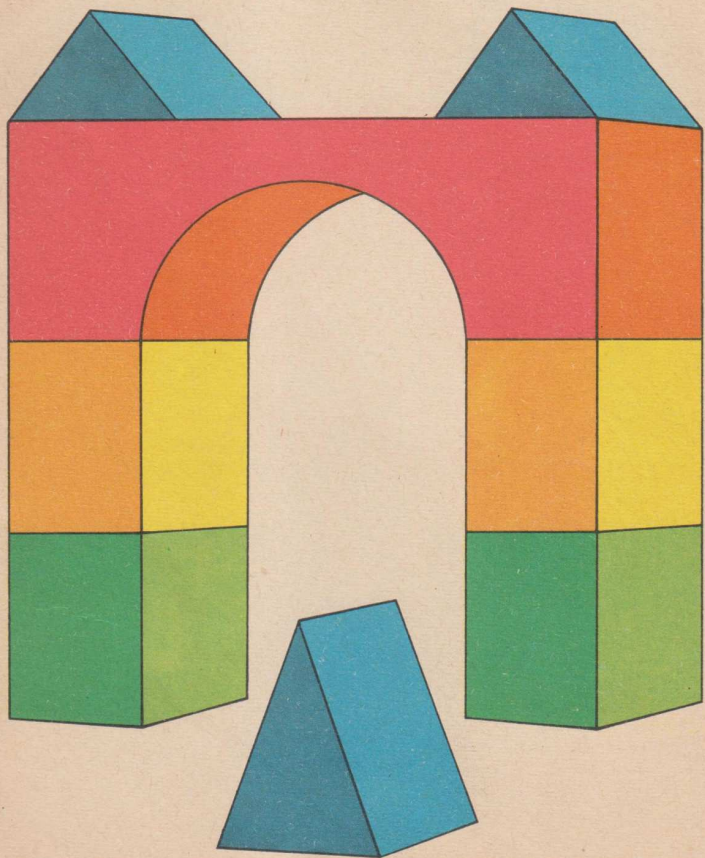


# Mathematik

Klasse 1 Arbeitsheft 3



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Vom Ministerium für Volksbildung der Deutschen Demokratischen  
Republik als Schulbuch bestätigt

© Volk und Wissen Volkseigener Verlag Berlin 1984  
1. Auflage  
Lizenz Nr. 203/1000/83 (E 00 01 15 - 1)  
LSV 0681  
Redaktion: Heinz Junge  
Einband: Karl-Heinz Bergmann, atelier vvw  
Graphische Gestaltung: Maritta Stolarow  
Printed in the German Democratic Republic  
Gesamtherstellung:  
Grafischer Großbetrieb Völkerfreundschaft Dresden  
Betriebsschule Georg Schumann  
Redaktionsschluß: 19. Mai 1983  
Bestell-Nr. 730 995 3  
Schulpreis DDR: 0,20

$2+2+2+2+2=10$

$2+2+2$

$2+2+2+2$

$2+2$

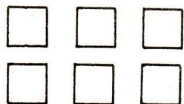
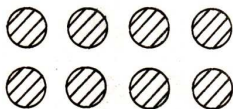
$5+5=10$

$4+4$

$1+1$

$3+3$

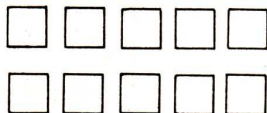
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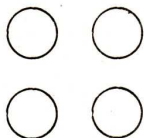
4	·	2	=	8
2	·	4		



3



1	·	2		



$1 \cdot 2 = 2$

$2 \cdot 2$

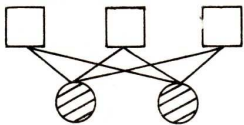
$3 \cdot 2$

$4 \cdot 2$

$5 \cdot 2$

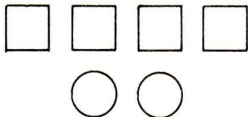
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1

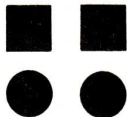


$$\begin{array}{|c|c|c|} \hline 3 & \cdot & 2 = 6 \\ \hline 2 & \cdot & 3 = 6 \\ \hline \end{array}$$

1



$$\begin{array}{|c|c|c|} \hline 4 & \cdot & 2 \\ \hline 2 & \cdot & 4 \\ \hline \end{array}$$



$$\begin{array}{|c|c|c|} \hline 2 & \cdot & 2 \\ \hline \end{array}$$

2

$2 \cdot 3$

$5 \cdot 2$

$2 \cdot 4$



$$\begin{array}{l} 2 \cdot 3 = 6 \\ 3 \cdot 2 \end{array}$$

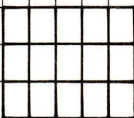
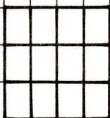
$5 \cdot 2$

3

$4 \cdot 3$

$5 \cdot 3$

$1 \cdot 2$



1

$1 \cdot 2$

$1 + 1 = 2$

$2 \cdot 1 = 2$

$1 \cdot 2$

$2 \cdot 2$

$2 + 2 = 4$

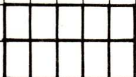
$2 \cdot 3$

$3 + 3 = 6$

$4 \cdot 2$

$4 + 4 = 8$

2



$5 + 5 = 10$

$6 + 6$

$2 \cdot 5 = 10$

$5 \cdot 2 = 10$



3



$5 \cdot 2 = 10$

$6 \cdot 2$

$7 \cdot 2$

$8 \cdot 2$

$9 \cdot 2$

$10 \cdot 2$

3

1

$$2 \cdot 5 = 5 + 5 \quad 2 \cdot 6 = 6 + 6 \quad 2 \cdot 8 = \dots + \dots$$

$$= 10 \quad = \dots \quad = \dots$$

$$2 \cdot 4$$

$$2 \cdot 7$$

$$2 \cdot 3$$

$$2 \cdot 9$$

$$2 \cdot 10$$

2

1	2	3	4	5	6	7	8	9
1	1	1	1	1	1	1	1	1
2				10				18

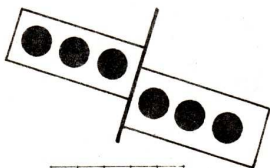
3

$a$	$a+a$	$a$	$2 \cdot a$	$e$	$e+e$	$e$	$e \cdot 2$
2		2		7		7	
3		3		9		9	
4		4		6		6	
5		5		8		8	

4

2, 4, 6, ..., ....., ....., ....., 16, .....

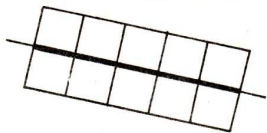
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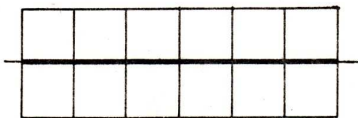
$$4 : 2 = 2$$



2



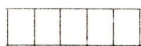
3



$$12 : 2 = \square \square$$

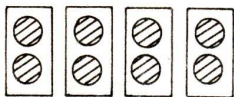
$$6 : 2 = \square \square$$

4



5

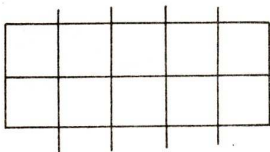
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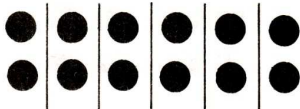
8 : 2



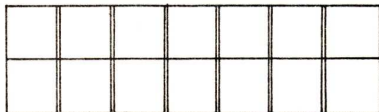
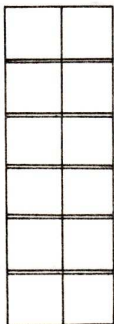
2



10 : 2



3



14 : 2

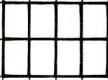


12 : 2





1



$$4 : 2 = 2$$

$$2 \cdot 2 = 4$$

$$8 : 2 = 4$$

$$4 \cdot 2 = 8$$

10

6

$$2 : 2 = 1$$

$$2 : 2 = 1$$

$$4 : 2 = 2$$

$$6 : 2 = 3$$

$$8 : 2 = 4$$

$$10 : 2 = 5$$

$$12 : 2 = 6$$

$$14 : 2 = 7$$

$$16 : 2 = 8$$

$$18 : 2 = 9$$

$$20 : 2 = 10$$

$$20 : 2 = 10$$

1

$$16 : 2 = 8$$

denn  $8 \cdot 2 = 16$

$$14 : 2$$

denn

$$12 : 2$$

denn

$$20 : 2$$

denn

$$10 : 2$$

denn

$$8 : 2$$

denn

$$6 : 2$$

denn

$$18 : 2$$

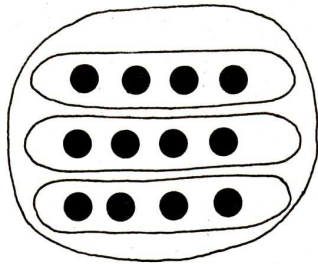
denn

2

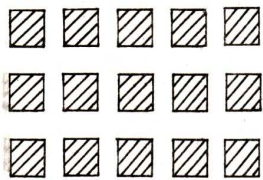
1	2	3	4	5	6	7	8	9	10
2				10	12				
3									
4									
5	10								
6	12								
7									
8									
9									
10									

$1 \cdot 2 = 2$	$2 \cdot 1 = 2$
$2 \cdot 2 = 4$	$2 \cdot 2$
$3 \cdot 2$	$2 \cdot 3$
$4 \cdot 2$	$2 \cdot 4$
$5 \cdot 2 = 10$	$2 \cdot 5$
$6 \cdot 2$	$2 \cdot 6 = 12$
$7 \cdot 2$	$2 \cdot 7$
$8 \cdot 2$	$2 \cdot 8$
$9 \cdot 2$	$2 \cdot 9$
$10 \cdot 2$	$2 \cdot 10$

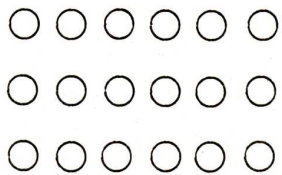
·	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6								
4	4	8								
5	5	10								
6	6	12								
7	7	14								
8	8	16								
9	9	18								
10	10	20								



3	·	4	=	12
4	·	3	=	12

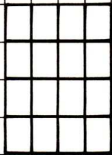
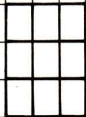
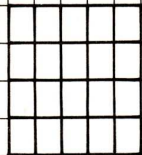


3	·	5	=	15
5	·	3		



3	·	6		
6	·	3		

1



$$\begin{array}{l} 5 \cdot 4 \\ 4 \cdot 5 \end{array}$$

$$3 \cdot 3$$

$$4 \cdot 4$$

2

$$\begin{array}{l} 7 \cdot 2 = 7 + 7 \\ = 14 \end{array}$$

$$\begin{array}{l} 2 \cdot 8 = 8 + 8 \\ = \dots \end{array}$$

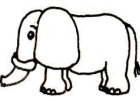
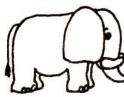
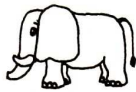
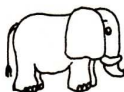
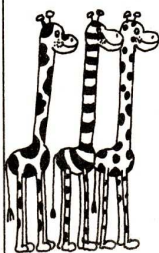
$$9 \cdot 2$$

$$2 \cdot 6$$

$$5 \cdot 2$$

$$2 \cdot 3$$

3



$$2 \cdot 3 = 6$$

$$2 \cdot 2 = 4$$

$a$	$a:2$	$e$	$e:2$	$a$	$2 \cdot a$	1
7	14	6		4		
3		4		2		
5		9		7		
10		2		10		
1		8		5		

$e$	$2 \cdot e$	$a$	$a:2$	$2 \cdot a$	2
3		4			
1		9			
9		8			
8		6			

$2 \cdot a$	$a$	$i$	$i:2$	$a$	$a+a$	3
18	9	18		6		
20		20		0		
8		8		9		
12		12		1		
4		4		3		

$2 \cdot i$	$i$	$u$	$u:2$	$e$	$e+e$	4
14		14		5		
2		2		10		
16		16		7		
6		6		2		
10		10		4		

1	$7+7=14$	$8+5$	$14-6$
	$6+6$	$6+9$	$16-8$
	$8+8$	$7+0$	$13-7$
	$0+5$	$8+6$	$12-9$
	$9+9$	$9+4$	$15-7$

2	a	e	a · e	i	u	i · u	u · i
	2	3		10	2		
	6	2		2	9		
	2	5		1	2		
	8	2		2	7		
	2	4		2	2		

3	$6-2=4$	$10$	$5$	$15$
	$6 \cdot 2=12$	$10$	$2$	$20$
	$6 : 2=3$	$10$	$5$	$5$
	$6+2=8$	$10$	$2$	$5$
	$4$	$2$	$8$	$2$
	$4$	$2$	$2$	$2$
	$4$	$2$	$2$	$0$
	$4$	$2$	$6$	$1$

4 Das Doppelte von 8 ist

12 Die Hälfte von 20 ist

$$2 \cdot x = 16 \quad 2 \cdot x = 10 \quad 2 \cdot x = 14 \quad 1$$

$$x = 8$$

$$x = \dots$$

$$x = \dots$$

$$2 \cdot a = 12 \quad 2 \cdot e = 8 \quad 2 \cdot i = 6$$

$$a = \dots$$

$$e = \dots$$

$$i = \dots$$

$$x \cdot 2 = 18 \quad x \cdot 2 = 20 \quad x \cdot 2 = 10 \quad 2$$

$$x = 9$$

$$x = \dots$$

$$x = \dots$$

$$e \cdot 2 = 4 \quad a \cdot 2 = 14 \quad u \cdot 2 = 2$$

$$e = \dots$$

$$a = \dots$$

$$u = \dots$$

$a$	$a:2$	$a$	$a:2$	$a$	$a+2$
14		18		12	
8		6		14	
2		16		16	
10		4		10	
20		12		18	

$$13 + 4 = 17 \quad 19 - 6 \quad 16 - 4 \quad 4$$

$$17 - 3$$

$$14 + 3$$

$$15 - 2$$

$$14 - 2$$

$$18 - 7$$

$$15 + 5$$

$$8 + 6 \quad 3 + 8 \quad 7 + 6$$

$$14 - 7$$

$$13 - 8$$

$$14 - 5$$

$$12 - 9$$

$$17 - 9$$

$$11 - 7$$

Aufgaben aus dem Lehrbuch  
Seite 85

2

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Das Auto holt.....Kisten.

6

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Das Werk erhält..... Maschinen.

7

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8

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Im Omnibus fahren..... Arbeiter.

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Seite 86

8

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An..... Maschinen wird gearbeitet.

9

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Im zweiten Saal stehen.....  
Maschinen.

10

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Auf den anderen Wagen kommen  
.....Kisten.

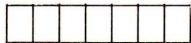
11

--	--	--	--	--	--	--	--

12

--	--	--	--	--	--	--	--





2 Hefte kosten ..... Pfennig.

1



Uta kauft ..... Hefte.

2



In diesem Kasten bleiben .....  
Stifte.

3



Paul hat ..... Murmeln.

4



Auf dem Feld arbeiten .....  
Bauern

9



Auf dem Feld bleiben .....  
Traktoren.

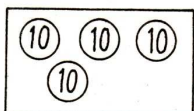
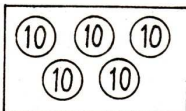
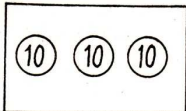
10



..... Tiere werden verkauft.

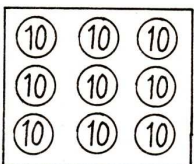
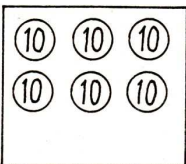
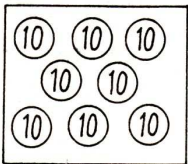
11

1



$$3 \cdot 10 = 30$$

2



3

$$40 = 4 \cdot 10$$

20

30

50

70

80

90

4

$$50 + 10 = 60$$

$$20 + 10$$

$$30 + 10$$

$$70 + 10$$

$$60 + 10$$

$$40 + 10$$

$$80 + 10$$

5

$$aa \cdot 10$$

$$aa \cdot 10$$

$$ii + 10$$

$$ii + 10$$

3

1

30

40

6

5

20

60

8

7

50

0

2

9

10

80

4

10

70

90

$x \cdot 10 = 40$	$x \cdot 10 = 70$	$x \cdot 10 = 30$	1
$x = 4$	$x = \dots$	$x = \dots$	

$x \cdot 10 = 60$	$x \cdot 10 = 80$	$x \cdot 10 = 100$
$x = \dots$	$x = \dots$	$x = \dots$

$30 = x \cdot 10$	$50 = x \cdot 10$	$20 = x \cdot 10$	2
$x = 3$	$x = \dots$	$x = \dots$	

$90 = x \cdot 10$	$10 = x \cdot 10$	$70 = x \cdot 10$
$x = \dots$	$x = \dots$	$x = \dots$

$60 < 90$	10	50	40	60	3
$6 < 9$					

50 30      40 20      80 50

20 70      90 80      100 70

40	70	30	60	50	80	40	90	4
30	40	60	70	.....	.....	.....	.....	

60 20 50 10 | 70 90 60 30

.....

$$1 \quad 40+20 \quad 50+30$$

$$\textcircled{1} \quad 4+2=6 \quad 5+3$$

$$\textcircled{2} \quad 40+20=60 \quad 20+40$$

$$4+2=6 \quad 2+4$$

$$10+80$$

$$30+70$$

$$2 \quad 60-20 \quad 50-40$$

$$\textcircled{1} \quad 6-2=4 \quad 5-4$$

$$\textcircled{2} \quad 60-20=40 \quad 80-60$$

$$6-2=4 \quad 8-6$$

$$70-30$$

$$90-20$$

$$3 \quad 30+30 \quad 60+30$$

$$20+70 \quad 30+50$$

$$40+40 \quad 20+60$$

$$10+50 \quad 70+30$$

$$4 \quad 40-30 \quad 60-30$$

$$50-10 \quad 50-30$$

$$80-50 \quad 80-70$$

$$90-80 \quad 90-30$$

$a$	$a+20$	$u$	$u+50$	$e$	$e-20$	$i$	$i-50$	1
30		10		70		60		
60		30		30		90		
20		40		60		70		
50		20		80		50		
70		50		50		80		

$$20 + x = 70 \quad 40 + x = 80 \quad 60 + x = 90 \quad 2$$

$$x = \dots \quad x = \dots \quad x = \dots$$

$$x + 30 = 50 \quad x + 20 = 80 \quad x + 40 = 70 \quad 3$$

$$x = \dots \quad x = \dots \quad x = \dots$$

$$70 - x = 30 \quad 60 - x = 10 \quad 90 - x = 30 \quad 4$$

$$x = \dots \quad x = \dots \quad x = \dots$$

$$x - 30 = 20 \quad x - 50 = 30 \quad x - 40 = 50 \quad 5$$

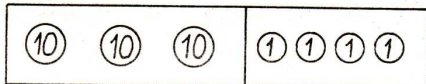
$$x = \dots \quad x = \dots \quad x = \dots$$

$30 < 70,$	$90 > 50,$	6
denn $30 + 40 = 70$	denn $90 = 50 + 40$	

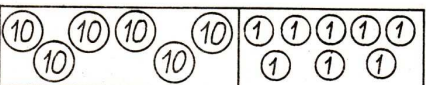
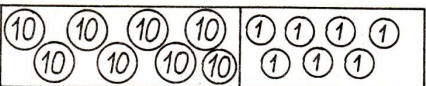
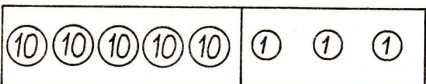
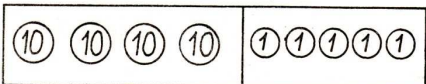
$20 \quad 50,$	$60 \quad 30,$
denn	denn

$80 \quad 70,$	$40 \quad 60,$
denn	denn

1



			3	4	=	3	·	10	+	4		
--	--	--	---	---	---	---	---	----	---	---	--	--



2 | 42 = 4 · 10 + 2

7 · 10 + 5 = 75

37

2 · 10 + 6

64

8 · 10 + 9

83

4 · 10 + 1

56

3 · 10 + 7

98

6 · 10 + 2

$a$	$a+6$	$e$	$e+4$	$u$	$50+u$	$i$	$70+i$	1
20		10		1		4		
70		50		7		6		
30		80		3		2		
90		60		9		5		
40		30		2		8		

$a$	$a \cdot 10$	$a \cdot 10 + b$	$a$	$a \cdot 10$	$a \cdot 10 + b$	2
27			19			
72			91			
83			52			
38			25			
64			98			
46			89			

$$50 + x = 58 \quad 70 + x = 73 \quad 90 + x = 94 \quad 3$$

$$x = \dots \quad x = \dots \quad x = \dots$$

$$30 + x = 39 \quad 80 + x = 81 \quad 60 + x = 65$$

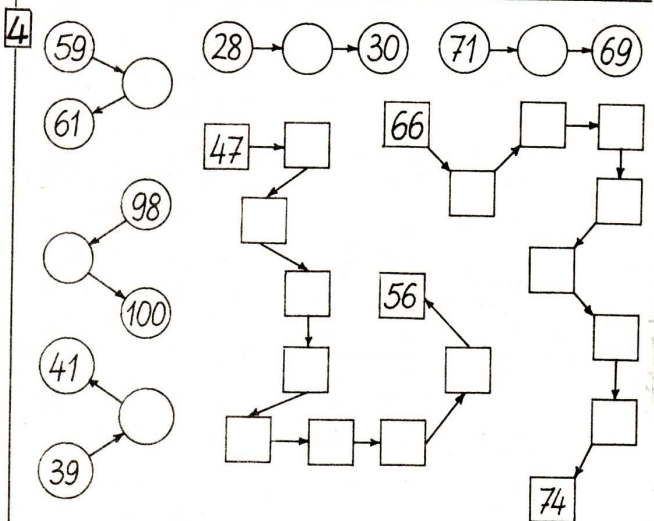
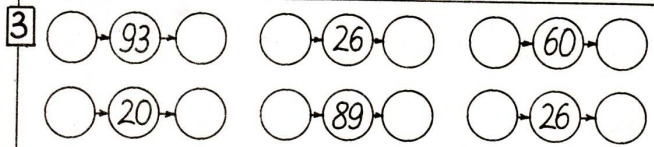
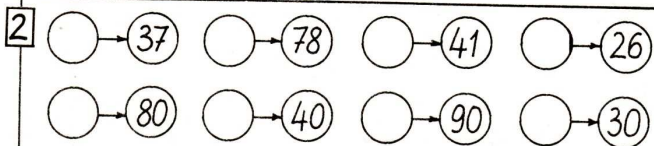
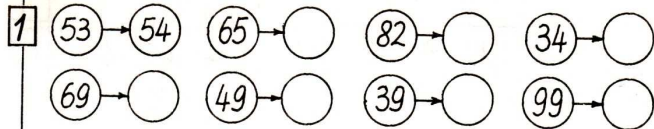
$$x = \dots \quad x = \dots \quad x = \dots$$

$$x + 7 = 47 \quad x + 3 = 23 \quad x + 6 = 96 \quad 4$$

$$x = \dots \quad x = \dots \quad x = \dots$$

$$x + 4 = 84 \quad x + 9 = 59 \quad x + 5 = 35$$

$$x = \dots \quad x = \dots \quad x = \dots$$





63 < 65
3 < 5
28 > 24
8 > 4

32 < 51
30 < 50
76 > 48
70 > 40

1

45	48	23	27	77	72	36	39
5	8					95	93
84	81	69	64	57	59	66	64
						24	27
						65	68

41	62	32	75	67	24	25	31
40	60					72	69
59	78	73	48	83	38	66	94
						41	83
						37	18

2

59 > 57	38	62	61	73	94	91	
63	56	42	45	82	58	24	23
74	75	51	29	63	66	78	87

3

24	16	42	38	86	91	72	78
16	24	38	42	.....	.....	.....	.....

4

35	53	32	23	72	27	69	96
.....	.....	.....	.....	.....	.....	.....	.....

1	$a$	$a \cdot 10$	$ab$	$a \cdot 10 + b$	$a \cdot 10 + b$
	4		13		32
	6		87		58
	3		24		61
	7		51		45
	10		96		79

2 *Vergleiche!*

3	5	8	6	7	4	5	9
43	45	38	36	27	24	15	19
30	50	80	60	70	40	50	90
34	54	83	63	72	42	51	91

3 *Ordne! Beginne mit der kleinsten Zahl!*

3	1	8	6	30	10	80	60
...	...	...	...	...	...	...	...
43	41	48	46	32	16	85	63
...	...	...	...	...	...	...	...

4 *Ordne! Beginne mit der größten Zahl!*

4	7	5	9	40	70	50	90
...	...	...	...	...	...	...	...
64	67	65	69	48	71	54	97
...	...	...	...	...	...	...	...

$5+4$	$2+6$	$13-4$	1
$8+3$	$9-3$	$4+9$	
$7-4$	$6+8$	$7+6$	
$12-6$	$8-7$	$14-7$	
$3+5$	$15-8$	$17-9$	

$6+2$	$8-3$	2
$16+2$	$18-3$	
$60+20$	$80-30$	

$9-8$	$3+7$
$19-18$	$13+7$
$90-80$	$30+70$

$50+20$	$12+7$	3
$80-40$	$18-5$	
$70-60$	$6+11$	
$30+50$	$12+8$	
$60-10$	$19-7$	

$16-4=12$	, denn	$12+4=16$	4
$18-5$	, denn		
$20-6$	, denn		

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

1	$aa \cdot 2$	$a \cdot 2 \cdot a$	$b$	$b : 2$	$b$	$b : 2$
	4	5	8		12	
	6	2	14		2	
	3	10	6		18	
	8	7	10		4	
	1	9	16		20	

2	$3 \cdot 10$	$7 \cdot 10$
	$10 \cdot 3$	$10 \cdot 7$
	$9 \cdot 10$	$6 \cdot 10$
	$10 \cdot 9$	$10 \cdot 6$

3	$10+1$	$7+0$	$2 \cdot 6$
	$10 \cdot 2$	$7-0$	$6 : 2$
	$10-1$	$0+7$	$6 \cdot 2$
	$10 : 2$	$7-7$	$6+6$

4) *Bilde Gleichungen!*

$6 : 2 = 3$	$4 \cdot 2 = 2$	$12 \cdot 4 = 8$
$6 \cdot 2 = 8$	$4 \cdot 2 = 6$	$12 \cdot 2 = 6$
$6 \cdot 2 = 4$	$4 \cdot 2 = 2$	$12 \cdot 3 = 15$
$6 \cdot 2 = 12$	$4 \cdot 2 = 8$	$12 \cdot 2 = 10$

$3 \cdot 5 = 15$	$12 \cdot 2 = 10$	$3 \cdot 4 = 12$
$10 \cdot 5 = 15$	$20 \cdot 2 = 10$	$16 \cdot 4 = 12$
$20 \cdot 5 = 15$	$5 \cdot 2 = 10$	$8 \cdot 4 = 12$

$$2 \cdot x = 14 \quad x \cdot 10 = 80 \quad x : 2 = 10 \quad \boxed{1}$$

$x = \dots$                        $x = \dots$                        $x = \dots$

---

$$13 + x = 19 \quad 60 - x = 20 \quad x - 4 = 9 \quad \boxed{2}$$

$x = \dots$                        $x = \dots$                        $x = \dots$

$$x + 8 = 15 \quad 14 - x = 5 \quad x - 9 = 11$$

$x = \dots$                        $x =$                        $x = \dots$

---

$$17 + x = 20 \quad 13 - x = 11 \quad 8 + x = 12 \quad \boxed{3}$$

$x = \dots$                        $x = \dots$                        $x = \dots$

$$17 + x < 20 \quad 13 - x > 11 \quad 8 + x < 12$$

$x = \dots$                        $x = \dots$                        $x = \dots$

---

$16 < 19,$ <i>denn</i> $16 + 3 = 19$	<i>denn</i>	$60 \quad 90,$	$\boxed{4}$
---	-------------	----------------	-------------

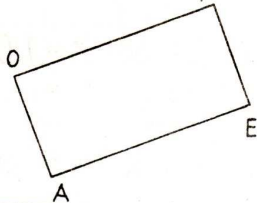
$18 \quad 14,$ <i>denn</i>	<i>denn</i>	$80 \quad 40,$
-------------------------------	-------------	----------------

$30 \quad 70,$ <i>denn</i>	<i>denn</i>	$13 \quad 17,$
-------------------------------	-------------	----------------

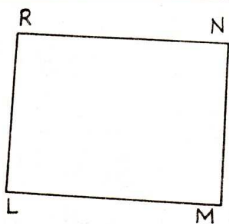
$20 \quad 15,$ <i>denn</i>	<i>denn</i>	$20 \quad 50,$
-------------------------------	-------------	----------------

Seite	Länge
$\overline{OI}$	4 cm
$\overline{AE}$	... cm
$\overline{OA}$	... cm
$\overline{IE}$	... cm

1

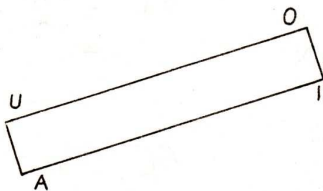


Seite	Länge
$\overline{RN}$	... cm
$\overline{LM}$	... cm
$\overline{LR}$	... cm
$\overline{MN}$	... cm



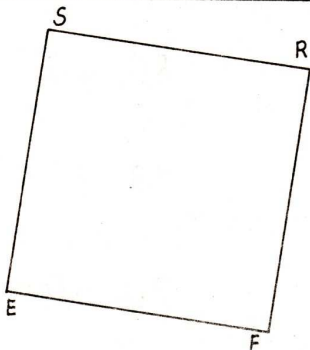
Seite	Länge
$\overline{UO}$	... cm
$\overline{AI}$	... cm
$\overline{UA}$	... cm
$\overline{OI}$	... cm

2



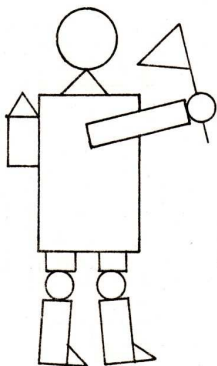
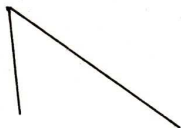
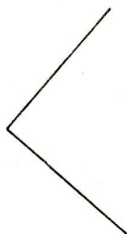
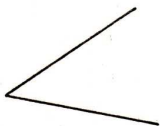
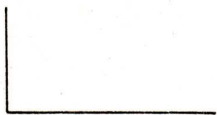
Seite	Länge
$\overline{SR}$	... cm
$\overline{EF}$	... cm
$\overline{ES}$	... cm
$\overline{FR}$	... cm

3



Dreiecken! Ergänze zu Rechtecken!

1



Male  
aus!

rot

Dreiecke

grün

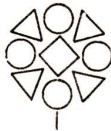
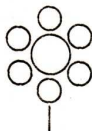
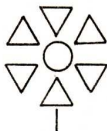
Rechtecke

gelb

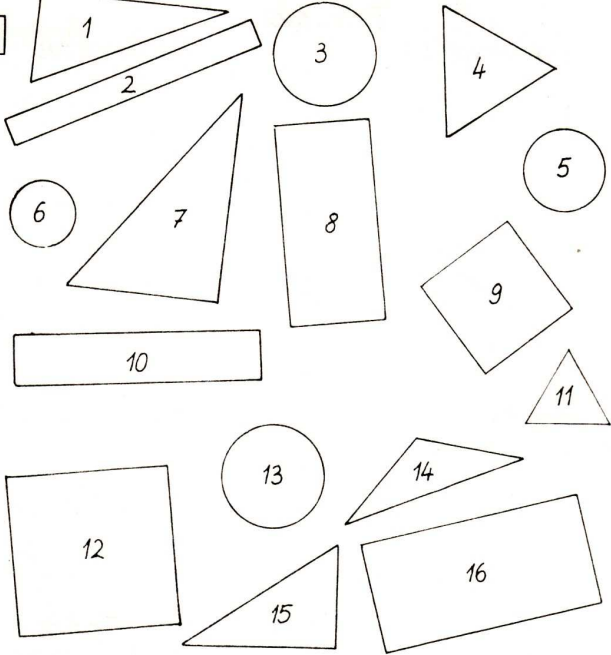
Kreise

Zähle!

2



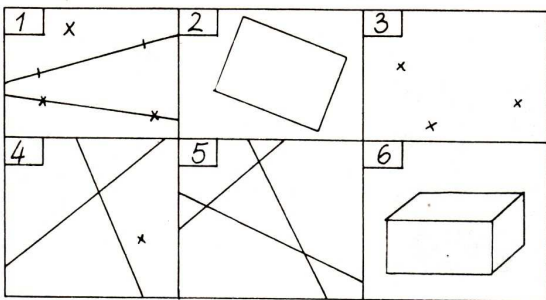
1



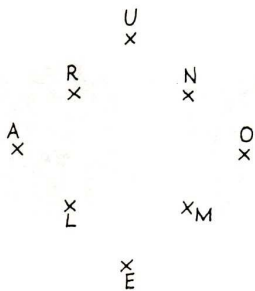
	1	2	3	4	5	6	7	8
Dreieck	X							
Rechteck								
Kreis								

	9	10	11	12	13	14	15	16
Dreieck								
Rechteck								
Kreis								





	1	2	3	4	5	6
Punkte	x					
Geraden	x					
Strecken	x					



Zeichne  
folgende Strecken!

$\overline{AU}$        $\overline{RN}$   
 $\overline{AE}$        $\overline{RL}$   
 $\overline{EO}$        $\overline{LM}$   
 $\overline{UO}$        $\overline{NM}$

Nenne Strecken,  
die Dreiecke  
bilden!

Nenne Strecken,  
die Rechtecke bilden!

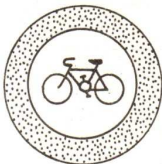
.....  
 .....  
 .....

1

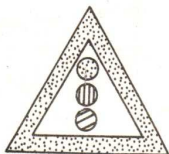
①



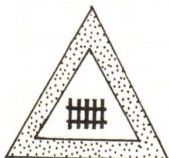
②



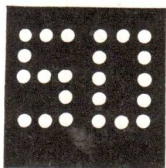
③



④



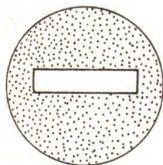
⑤



⑥



⑦



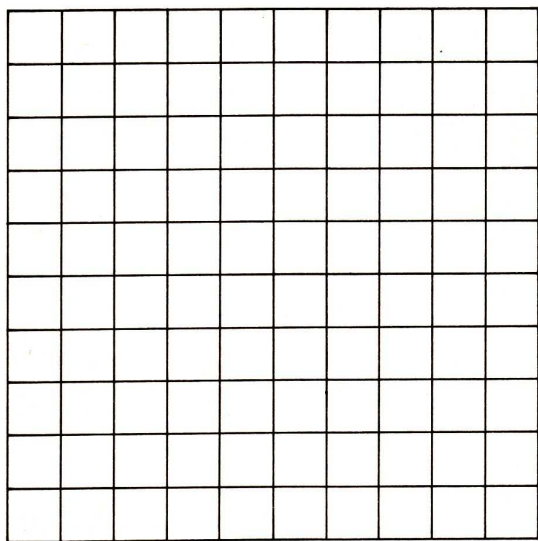
⑧

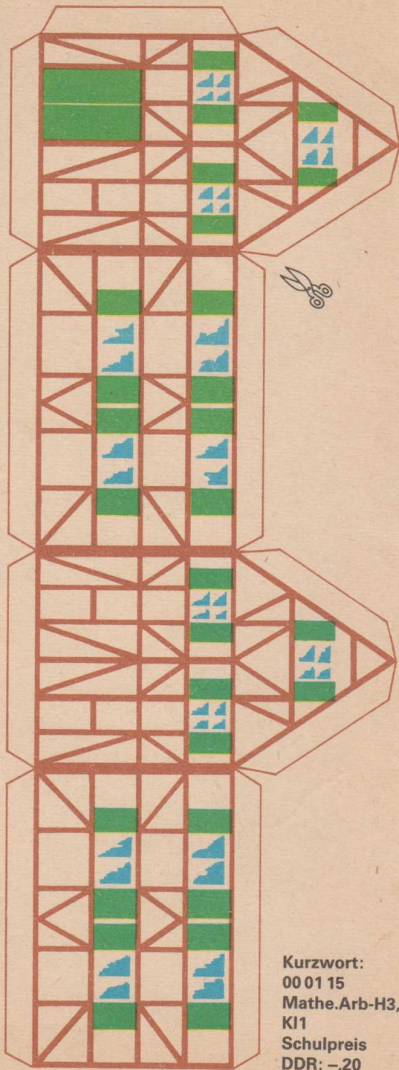
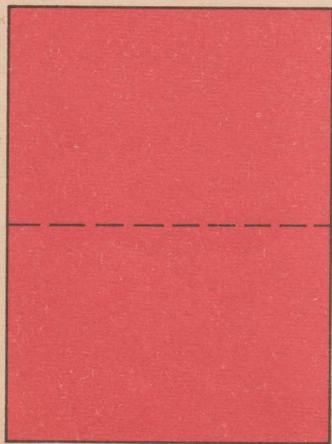
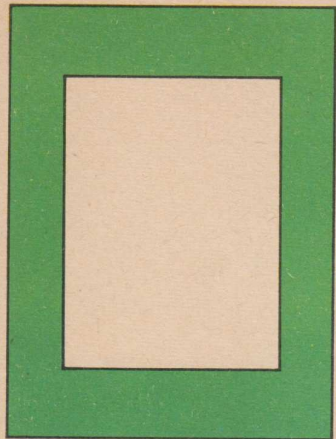


⑨



	①	②	③	④	⑤	⑥	⑦	⑧	⑨
Dreiecke	2								
Rechtecke	2								
Kreise	-								





Kurzwort:  
00 01 15  
Mathe.Arb-H3,  
K11  
Schulpreis  
DDR: -,20