

Mein Anoki-Übungsheft:

mit Erklärfilmen
zum Selbstlernen



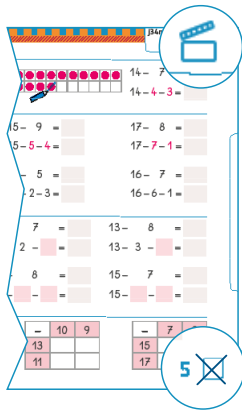
Mathematik kompakt 2

Richtig rechnen - Sachrechnen - Geometrie

Lösungen



So lernst du mit dem Anoki-Übungsheft



Erklärfilme:

Zu einigen Seiten gibt es einen Erklärfilm, der dir neue Inhalte erklärt.

Wie kannst du dir die Erklärfilme anschauen? Die Filme sind alle auf www.klett.de.

Es gibt 2 Möglichkeiten:

- 1) Du scannst den QR-Code, der dich direkt zu den Erklärfilmen führt.
- 2) Du gibst in das Suchfenster von www.klett.de folgenden Code ein: **j34m72**.
Mit diesem Code kommst du auch direkt zu den Erklärfilmen.



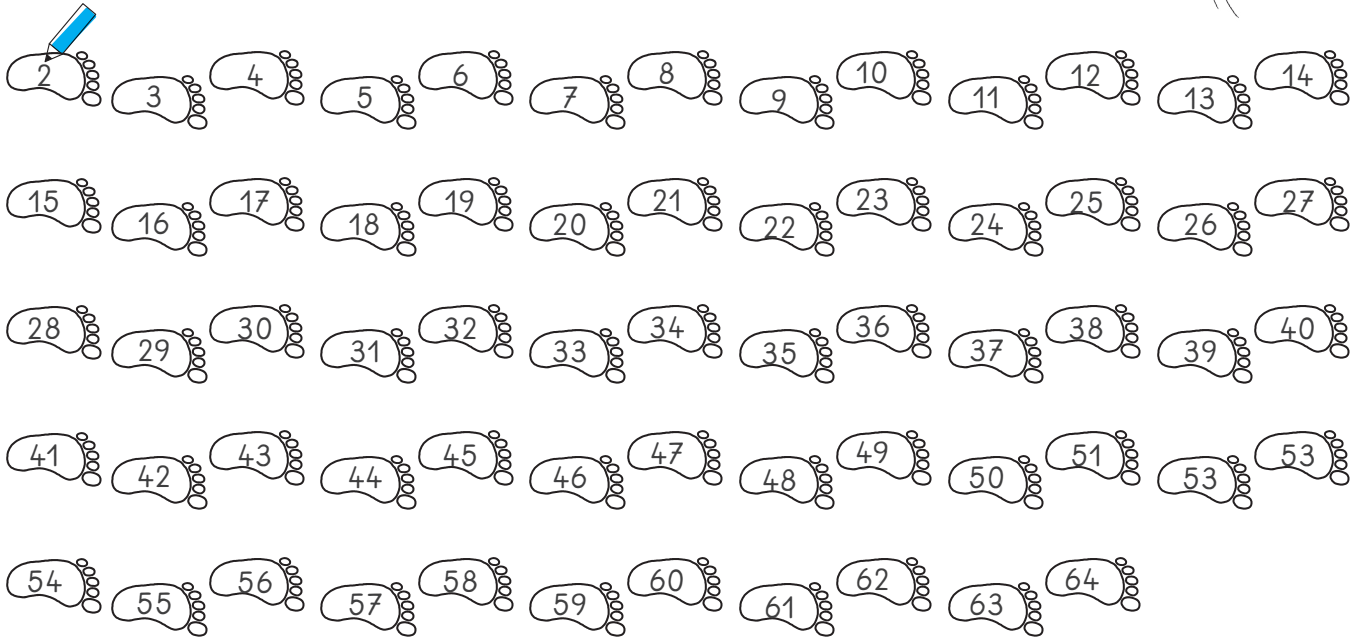
Bearbeitungshilfe:

Deine Lehrerin/dein Lehrer kreuzt an,
was du bearbeiten sollst.

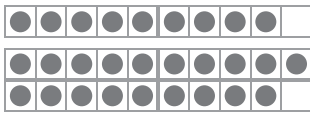


Für Lösungen den QR-Code scannen oder
5sz6hu auf www.klett.de eingeben

Hallo! Ich bin Anoki.
Für jede Seite, die du fertig bearbeitet hast,
malst du einen Fußabdruck aus.

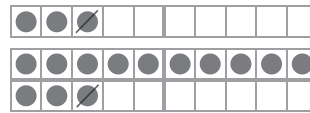


1



$5 + 4 = 9$

$15 + 4 = 19$



$3 - 1 = 2$

$13 - 1 = 12$

2

$6 + 3 = 9$

$2 + 7 = 9$

$4 + 2 = 6$

$5 + 3 = 8$

$2 + 5 = 7$

$16 + 3 = 19$

$12 + 7 = 19$

$14 + 2 = 16$

$15 + 3 = 18$

$12 + 5 = 17$

$1 + 5 = 6$

$9 + 1 = 10$

$3 + 5 = 8$

$1 + 6 = 7$

$4 + 5 = 9$

$11 + 5 = 16$

$19 + 1 = 20$

$13 + 5 = 18$

$11 + 6 = 17$

$14 + 5 = 19$

3

$8 - 8 = 0$

$6 - 4 = 2$

$8 - 2 = 6$

$9 - 5 = 4$

$7 - 5 = 2$

$18 - 8 = 10$

$16 - 4 = 12$

$18 - 2 = 16$

$19 - 5 = 14$

$17 - 5 = 12$

$5 - 4 = 1$

$1 - 1 = 0$

$9 - 7 = 2$

$2 - 2 = 0$

$4 - 3 = 1$

$15 - 4 = 11$

$11 - 1 = 10$

$19 - 7 = 12$

$12 - 2 = 10$

$14 - 3 = 11$

4

+	8
1	9
11	19

+	7
3	10
13	20

+	4
4	8
14	18

-	3
9	6
19	16

-	4
4	0
14	10

-	5
7	2
17	12

1

$6 + 6 = 12$	$7 + 7 = 14$	$5 + 5 = 10$	$9 + 9 = 18$	$7 + 7 = 14$
$7 + 6 = 13$	$7 + 6 = 13$	$4 + 5 = 9$	$9 + 10 = 19$	$8 + 7 = 15$
$8 + 8 = 16$	$9 + 9 = 18$	$8 + 8 = 16$	$4 + 4 = 8$	$5 + 5 = 10$
$9 + 8 = 17$	$8 + 9 = 17$	$8 + 7 = 15$	$4 + 5 = 9$	$5 + 6 = 11$

2

$7 + 7 = 14$	$5 + 5 = 10$	$9 + 9 = 18$	$8 + 8 = 16$	$6 + 6 = 12$
$7 + 8 = 15$	$5 + 6 = 11$	$9 + 10 = 19$	$8 + 9 = 17$	$6 + 7 = 13$

3

$18 - 9 = 9$	$14 - 7 = 7$	$16 - 8 = 8$	$12 - 6 = 6$	$14 - 7 = 7$
$18 - 8 = 10$	$14 - 8 = 6$	$16 - 7 = 9$	$12 - 5 = 7$	$14 - 6 = 8$
$11 - 6 = 5$	$17 - 9 = 8$	$13 - 7 = 6$	$11 - 5 = 6$	$15 - 7 = 8$
$12 - 6 = 6$	$18 - 9 = 9$	$14 - 7 = 7$	$10 - 5 = 5$	$14 - 7 = 7$

4

<table border="1"><tr><td>+</td><td>6</td></tr><tr><td>6</td><td>12</td></tr><tr><td>5</td><td>11</td></tr></table>	+	6	6	12	5	11	<table border="1"><tr><td>+</td><td>9</td></tr><tr><td>9</td><td>18</td></tr><tr><td>8</td><td>17</td></tr></table>	+	9	9	18	8	17	<table border="1"><tr><td>+</td><td>5</td></tr><tr><td>5</td><td>10</td></tr><tr><td>6</td><td>11</td></tr></table>	+	5	5	10	6	11	<table border="1"><tr><td>-</td><td>6</td></tr><tr><td>12</td><td>6</td></tr><tr><td>13</td><td>7</td></tr></table>	-	6	12	6	13	7	<table border="1"><tr><td>-</td><td>7</td></tr><tr><td>14</td><td>7</td></tr><tr><td>15</td><td>8</td></tr></table>	-	7	14	7	15	8	<table border="1"><tr><td>-</td><td>8</td></tr><tr><td>16</td><td>8</td></tr><tr><td>15</td><td>7</td></tr></table>	-	8	16	8	15	7
+	6																																								
6	12																																								
5	11																																								
+	9																																								
9	18																																								
8	17																																								
+	5																																								
5	10																																								
6	11																																								
-	6																																								
12	6																																								
13	7																																								
-	7																																								
14	7																																								
15	8																																								
-	8																																								
16	8																																								
15	7																																								

1



$$5 + 7 = 12$$

$$5 + 5 + 2 = 12$$



$$8 + 4 = 12$$

$$8 + 2 + 2 = 12$$

2

$$6 + 8 = 14$$

$$6 + 4 + 4 = 14$$

$$9 + 4 = 13$$

$$9 + 1 + 3 = 13$$

$$7 + 5 = 12$$

$$7 + 3 + 2 = 12$$

$$8 + 5 = 13$$

$$8 + 2 + 3 = 13$$

$$9 + 7 = 16$$

$$9 + 1 + 6 = 16$$

$$5 + 8 = 13$$

$$5 + 5 + 3 = 13$$

$$6 + 5 = 11$$

$$6 + 4 + 1 = 11$$

$$8 + 7 = 15$$

$$8 + 2 + 5 = 15$$

3

$$9 + 6 = 15$$

$$9 + 1 + 5 = 15$$

$$4 + 9 = 13$$

$$4 + 6 + 3 = 13$$

$$7 + 9 = 16$$

$$7 + 3 + 6 = 16$$

$$5 + 8 = 13$$

$$5 + 5 + 3 = 13$$

$$8 + 7 = 15$$

$$8 + 2 + 5 = 15$$

$$7 + 5 = 12$$

$$7 + 3 + 2 = 12$$

$$7 + 6 = 13$$

$$7 + 3 + 3 = 13$$

$$6 + 9 = 15$$

$$6 + 4 + 5 = 15$$

4

+	7	9	8
6	13	15	14
4	11	13	12

+	5	8	6
7	12	15	13
9	14	17	15

+	10	9
8	18	17
5	15	14

+	9	10
7	16	17
6	15	16

1

●	●	●	●	●	●	●	●	●	●
●									

 $11 - 4 = 7$
 $11 - 1 - 3 = 7$

●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●

 $14 - 7 = 7$
 $14 - 4 - 3 = 7$

2

$13 - 4 = 9$	$14 - 5 = 9$	$15 - 9 = 6$	$17 - 8 = 9$
$13 - 3 - 1 = 9$	$14 - 4 - 1 = 9$	$15 - 5 - 4 = 6$	$17 - 7 - 1 = 9$
$12 - 4 = 8$	$17 - 9 = 8$	$12 - 5 = 7$	$16 - 7 = 9$
$12 - 2 - 2 = 8$	$17 - 7 - 2 = 8$	$12 - 2 - 3 = 7$	$16 - 6 - 1 = 9$

3

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

4

-	6	9	8
11	5	2	3
14	8	5	6

-	7	8	6
15	8	7	9
12	5	4	6

-	10	9
13	3	4
11	1	2

-	7	8
15	8	7
17	10	9

1



Z	E	
4	3	43

$$43 = 40 + 3$$



Z	E	
2	8	28

$$28 = 20 + 8$$



Z	E	
3	9	39

$$39 = 30 + 9$$

..... ..

Z	E	
0	7	7

$$7 = 0 + 7$$

2



Z	E	
9	6	96

$$96 = 90 + 6$$



Z	E	
6	0	60

$$60 = 60 + 0$$



Z	E	
7	4	74

$$74 = 70 + 4$$



Z	E	
5	1	51

$$51 = 50 + 1$$

1

Z E	Z E	Z E	Z E
2 4	3 9	1 8	4 0
24	39	18	40

2

Z E	Z E	Z E	Z E
4 6	7 1	9 0	6 8
46	71	90	68

3

6	44	50	72
13	31	48	23

Zahlen bis 100

1

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

  ~~19, 91, 46, 28, 10, 37, 82, 73, 55, 64~~

  ~~34, 78, 67, 100, 45, 89, 1, 12, 56, 23~~

2

23	24	25
----	----	----

94	95	96
----	----	----

15	16	17
----	----	----

28	29	30
----	----	----

34	35	36
----	----	----

68	69	70
----	----	----

61	62	63
----	----	----

42	43	44
----	----	----

3

10

20

30

40

50

60

70

80

90

100



1

11	35	43	20	78	57	79	56
21	45	53	30	88	67	89	66
31	55	63	40	98	77	99	76

2

46	47	4	5	2	3	68	69	62	63	89	90
56		14		12		78		72		99	

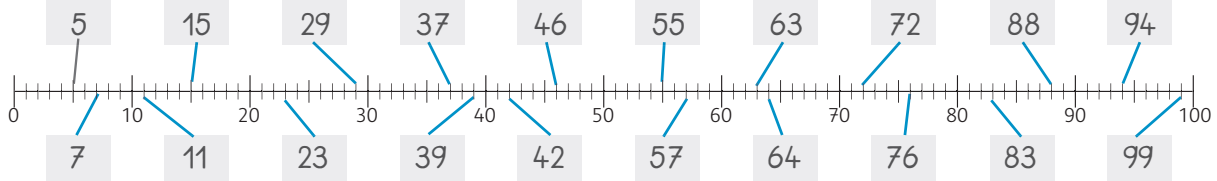
3

	54			6			19			57		
63	64	65		15	16	17	28	29	30	66	67	68
	74				26			39			77	

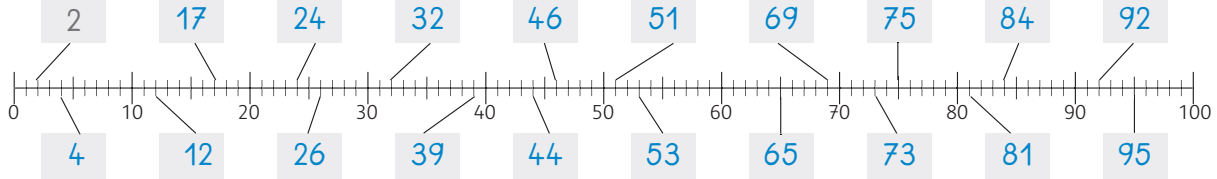
4

6		8		28		30		57		59		78		80
	17				39				68				89	
26		28		48		50		77		79		98		100

1



2



3



$20 < 21$

$67 > 60$

$33 > 32$

$46 > 40$

$46 > 44$

$75 < 80$

$75 = 75$

$30 > 29$

$31 < 40$

$50 > 45$

4

$90 < 100$

$45 < 58$

$60 = 60$

$63 > 37$

$45 < 55$

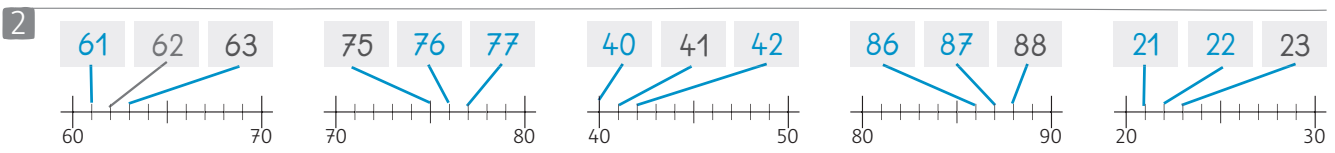
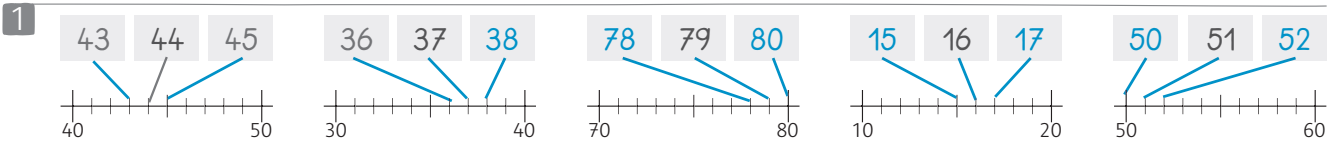
$96 > 69$

$67 > 37$

$24 < 42$

$96 > 86$

$38 > 29$



3

Zahl: 19
 Vorgänger: 18
 Nachfolger: 20

V	Z	N
18	19	20
47	48	49
31	32	33
73	74	75

V	Z	N
33	34	35
84	85	86
42	43	44
98	99	100

V	Z	N
38	39	40
69	70	71
26	27	28
29	30	31

4

V	Z	N
49	50	51
90	91	92
65	66	67
82	83	84

V	Z	N
79	80	81
22	23	24
67	68	69
36	37	38

V	Z	N
83	84	85
54	55	56
40	41	42
72	73	74

V	Z	N
48	49	50
52	53	54
88	89	90
75	76	77

Vorgänger und Nachfolger

1

$7 + 2 = 9$

$4 + 4 = 8$

$2 + 7 = 9$

$5 + 1 = 6$

$6 + 3 = 9$

$17 + 2 = 19$

$24 + 4 = 28$

$32 + 7 = 39$

$75 + 1 = 76$

$16 + 3 = 19$

$4 + 5 = 9$

$2 + 6 = 8$

$3 + 3 = 6$

$1 + 6 = 7$

$3 + 4 = 7$

$34 + 5 = 39$

$62 + 6 = 68$

$43 + 3 = 46$

$51 + 6 = 57$

$63 + 4 = 67$

$2 + 4 = 6$

$2 + 5 = 7$

$1 + 8 = 9$

$9 + 1 = 10$

$3 + 7 = 10$

$92 + 4 = 96$

$72 + 5 = 77$

$21 + 8 = 29$

$69 + 1 = 70$

$33 + 7 = 40$

2

$3 + 3 = 6$

$5 + 4 = 9$

$4 + 2 = 6$

$1 + 3 = 4$

$2 + 8 = 10$

$13 + 3 = 16$

$25 + 4 = 29$

$34 + 2 = 36$

$41 + 3 = 44$

$52 + 8 = 60$

$23 + 3 = 26$

$45 + 4 = 49$

$64 + 2 = 66$

$71 + 3 = 74$

$92 + 8 = 100$

$33 + 3 = 36$

$65 + 4 = 69$

$94 + 2 = 96$

$91 + 3 = 94$

$72 + 8 = 80$

3

+	7	3	5	6
2	9	5	7	8
62	69	65	67	68

+	6	4	1	5
3	9	7	4	8
53	59	57	54	58

+	8	2	7	9
1	9	3	8	10
71	79	73	78	80

1

$$40 + 5 = 45$$

$$60 + 6 = 66$$

$$70 + 2 = 72$$

$$20 + 1 = 21$$

$$80 + 9 = 89$$

$$50 + 7 = 57$$

$$90 + 6 = 96$$

$$10 + 8 = 18$$

$$30 + 7 = 37$$

$$60 + 3 = 63$$

$$80 + 0 = 80$$

$$70 + 5 = 75$$

$$40 + 2 = 42$$

2

$$58 + 2 = 60$$

$$44 + 6 = 50$$

$$39 + 1 = 40$$

$$17 + 3 = 20$$

$$64 + 6 = 70$$

$$52 + 8 = 60$$

$$23 + 7 = 30$$

$$85 + 5 = 90$$

$$78 + 2 = 80$$

$$71 + 9 = 80$$

$$46 + 4 = 50$$

$$83 + 7 = 90$$

$$54 + 6 = 60$$

3

$$56 + 4 = 60$$

$$73 + 7 = 80$$

$$86 + 4 = 90$$

$$27 + 3 = 30$$

$$33 + 7 = 40$$

$$16 + 4 = 20$$

$$65 + 5 = 70$$

$$18 + 2 = 20$$

$$43 + 7 = 50$$

$$74 + 6 = 80$$

$$49 + 1 = 50$$

$$66 + 4 = 70$$

$$21 + 9 = 30$$

4

$$37 + 3 = 40$$

$$48 + 2 = 50$$

$$92 + 8 = 100$$

$$51 + 9 = 60$$

$$24 + 6 = 30$$

$$91 + 9 = 100$$

$$68 + 2 = 70$$

$$35 + 5 = 40$$

$$63 + 7 = 70$$

$$98 + 2 = 100$$

$$53 + 7 = 60$$

$$94 + 6 = 100$$

$$75 + 5 = 80$$

5

$$63 + 7 = 70$$

$$71 + 9 = 80$$

$$19 + 1 = 20$$

$$42 + 8 = 50$$

$$87 + 3 = 90$$

$$25 + 5 = 30$$

$$34 + 6 = 40$$

$$85 + 5 = 90$$

$$51 + 9 = 60$$

$$26 + 4 = 30$$

$$18 + 2 = 20$$

$$13 + 7 = 20$$

$$44 + 6 = 50$$

Rechnen mit Zehnerzahlen (+)

6

$\begin{array}{c} 30 \\ 21 \quad 9 \end{array}$	$\begin{array}{c} 80 \\ 8 \quad 72 \end{array}$	$\begin{array}{c} 50 \\ 43 \quad 7 \end{array}$	$\begin{array}{c} 100 \\ 5 \quad 95 \end{array}$	$\begin{array}{c} 90 \\ 6 \quad 84 \end{array}$	$\begin{array}{c} 50 \\ 47 \quad 3 \end{array}$
---	---	---	--	---	---

1

$4 - 2 = 2$

$6 - 3 = 3$

$9 - 8 = 1$

$5 - 1 = 4$

$8 - 3 = 5$

$34 - 2 = 32$

$26 - 3 = 23$

$59 - 8 = 51$

$75 - 1 = 74$

$68 - 3 = 65$

$8 - 6 = 2$

$7 - 7 = 0$

$7 - 5 = 2$

$3 - 1 = 2$

$9 - 4 = 5$

$78 - 6 = 72$

$67 - 7 = 60$

$97 - 5 = 92$

$33 - 1 = 32$

$89 - 4 = 85$

$6 - 5 = 1$

$8 - 7 = 1$

$9 - 9 = 0$

$7 - 2 = 5$

$5 - 3 = 2$

$26 - 5 = 21$

$58 - 7 = 51$

$49 - 9 = 40$

$87 - 2 = 85$

$45 - 3 = 42$

2

$7 - 5 = 2$

$4 - 1 = 3$

$3 - 2 = 1$

$7 - 4 = 3$

$9 - 2 = 7$

$17 - 5 = 12$

$24 - 1 = 23$

$33 - 2 = 31$

$97 - 4 = 93$

$49 - 2 = 47$

$27 - 5 = 22$

$44 - 1 = 43$

$63 - 2 = 61$

$57 - 4 = 53$

$79 - 2 = 77$

$37 - 5 = 32$

$64 - 1 = 63$

$93 - 2 = 91$

$37 - 4 = 33$

$89 - 2 = 87$

3

-	2	7	6	4
8	6	1	2	4
98	96	91	92	94

-	5	8	3	9
9	4	1	6	0
29	24	21	26	20

-	6	0	7	1
7	1	7	0	6
77	71	77	70	76

1

$$67 - 7 = 60$$

$$53 - 3 = 50$$

$$44 - 4 = 40$$

$$29 - 9 = 20$$

$$93 - 3 = 90$$

$$88 - 8 = 80$$

$$15 - 5 = 10$$

$$34 - 4 = 30$$

$$55 - 5 = 50$$

$$62 - 2 = 60$$

$$71 - 1 = 70$$

$$87 - 7 = 80$$

$$96 - 6 = 90$$

2

$$83 - 3 = 80$$

$$72 - 2 = 70$$

$$66 - 6 = 60$$

$$58 - 8 = 50$$

$$37 - 7 = 30$$

$$41 - 1 = 40$$

$$24 - 4 = 20$$

$$74 - 4 = 70$$

$$15 - 5 = 10$$

$$98 - 8 = 90$$

$$79 - 9 = 70$$

$$42 - 2 = 40$$

$$35 - 5 = 30$$

3

$$23 + 7 = 30$$

$$56 - 6 = 50$$

$$94 - 4 = 90$$

$$51 - 1 = 50$$

$$48 + 2 = 50$$

$$17 - 7 = 10$$

$$65 + 5 = 70$$

$$31 + 9 = 40$$

$$78 - 8 = 70$$

$$52 + 8 = 60$$

$$44 + 6 = 50$$

$$87 - 7 = 80$$

$$22 + 8 = 30$$

4

$$64 - 4 = 60$$

$$59 + 1 = 60$$

$$21 - 1 = 20$$

$$17 + 3 = 20$$

$$99 - 9 = 90$$

$$43 - 3 = 40$$

$$89 + 1 = 90$$

$$74 + 6 = 80$$

$$36 - 6 = 30$$

$$57 + 3 = 60$$

$$84 - 4 = 80$$

$$35 - 5 = 30$$

$$68 + 2 = 70$$

5

$$73 + 7 = 80$$

$$49 - 9 = 40$$

$$92 - 2 = 90$$

$$34 + 6 = 40$$

$$27 + 3 = 30$$

$$54 - 4 = 50$$

$$46 - 6 = 40$$

$$75 + 5 = 80$$

$$81 - 1 = 80$$

$$96 + 4 = 100$$

$$53 - 3 = 50$$

$$67 + 3 = 70$$

$$73 - 3 = 70$$

Rechnen mit Zehnerzahlen (-)

6

54	
50	4

99	
9	90

45	
40	5

22	
2	20

81	
80	1

97	
90	7

1

$$0 \cdot 10 = 0$$

$$1 \cdot 10 = 10$$

$$2 \cdot 10 = 20$$

$$3 \cdot 10 = 30$$

$$4 \cdot 10 = 40$$

$$5 \cdot 10 = 50$$

$$6 \cdot 10 = 60$$

$$7 \cdot 10 = 70$$

$$8 \cdot 10 = 80$$

$$9 \cdot 10 = 90$$

$$10 \cdot 10 = 100$$

2

$$10 \cdot 1 = 10$$

$$10 \cdot 2 = 20$$

$$10 \cdot 5 = 50$$

$$10 \cdot 10 = 100$$

$$10 \cdot 0 = 0$$

$$10 \cdot 3 = 30$$

$$10 \cdot 6 = 60$$

$$10 \cdot 9 = 90$$

$$10 \cdot 4 = 40$$

$$10 \cdot 8 = 80$$

$$10 \cdot 7 = 70$$

3

$$10 \cdot 2 = 20$$

$$10 \cdot 5 = 50$$

$$10 \cdot 3 = 30$$

$$10 \cdot 10 = 100$$

$$10 \cdot 4 = 40$$

$$10 \cdot 9 = 90$$

$$10 \cdot 0 = 0$$


$$10 \cdot 1 = 10$$

$$10 \cdot 8 = 80$$


$$10 \cdot 6 = 60$$

$$10 \cdot 7 = 70$$

4



2	20
5	50
10	100
4	40
3	30
7	70
9	90
8	80
0	0



1	10
4	40
10	100
5	50
3	30
9	90
8	80
6	60
7	70

5

$$6 \cdot 10 = 60$$

$$5 \cdot 10 = 50$$

$$10 \cdot 1 = 10$$

$$10 \cdot 2 = 20$$

$$10 \cdot 5 = 50$$

$$7 \cdot 10 = 70$$

$$9 \cdot 10 = 90$$

$$3 \cdot 10 = 30$$

$$10 \cdot 5 = 50$$

$$10 \cdot 6 = 60$$

$$10 \cdot 3 = 30$$

$$2 \cdot 10 = 20$$

$$10 \cdot 10 = 100$$

$$10 \cdot 7 = 70$$

$$10 \cdot 9 = 90$$

$$10 \cdot 8 = 80$$

$$6 \cdot 10 = 60$$

$$4 \cdot 10 = 40$$

$$8 \cdot 10 = 80$$

$$10 \cdot 0 = 0$$

$$10 \cdot 8 = 80$$

$$10 \cdot 1 = 10$$

$$9 \cdot 10 = 90$$

1

$$0 \cdot 1 = 0$$

$$1 \cdot 1 = 1$$

$$2 \cdot 1 = 2$$

$$3 \cdot 1 = 3$$

$$4 \cdot 1 = 4$$

$$5 \cdot 1 = 5$$

$$6 \cdot 1 = 6$$

$$7 \cdot 1 = 7$$

$$8 \cdot 1 = 8$$

$$9 \cdot 1 = 9$$

$$10 \cdot 1 = 10$$

2

$$0 \cdot 0 = 0$$

$$1 \cdot 0 = 0$$

$$2 \cdot 0 = 0$$

$$3 \cdot 0 = 0$$

$$4 \cdot 0 = 0$$

$$5 \cdot 0 = 0$$

$$6 \cdot 0 = 0$$

$$7 \cdot 0 = 0$$

$$8 \cdot 0 = 0$$

$$9 \cdot 0 = 0$$

$$10 \cdot 0 = 0$$

3

$$4 \cdot 1 = 4$$

$$3 \cdot 0 = 0$$

$$7 \cdot 0 = 0$$

$$9 \cdot 1 = 9$$

$$2 \cdot 1 = 2$$

$$10 \cdot 0 = 0$$

$$1 \cdot 1 = 1$$

$$8 \cdot 1 = 8$$

$$5 \cdot 0 = 0$$

$$2 \cdot 0 = 0$$

$$6 \cdot 1 = 6$$

4

$$0 \cdot 2 = 0$$

$$1 \cdot 7 = 7$$

$$0 \cdot 8 = 0$$

$$1 \cdot 10 = 10$$

$$0 \cdot 1 = 0$$

$$1 \cdot 3 = 3$$

$$1 \cdot 5 = 5$$


$$0 \cdot 6 = 0$$

$$1 \cdot 4 = 4$$


$$0 \cdot 9 = 0$$

$$0 \cdot 3 = 0$$

5



0	0
1	0
2	0
5	0
10	0



0	0
1	1
2	2
5	5
10	10

6

$$3 \cdot 1 = 3$$

$$7 \cdot 1 = 7$$

$$9 \cdot 1 = 9$$

$$4 \cdot 1 = 4$$

$$2 \cdot 0 = 0$$

$$5 \cdot 0 = 0$$

$$8 \cdot 0 = 0$$

$$6 \cdot 0 = 0$$

$$1 \cdot 8 = 8$$

$$1 \cdot 5 = 5$$

$$1 \cdot 2 = 2$$

$$1 \cdot 6 = 6$$

$$0 \cdot 3 = 0$$

$$0 \cdot 7 = 0$$

$$0 \cdot 9 = 0$$

$$0 \cdot 4 = 0$$



Einmaleins mit 0 und 1

•	2
0	0
1	2
2	4
5	10
10	20

$2 \cdot 5 = 10$

$5 \cdot 2 = 10$

$2 \cdot 10 = 20$

$10 \cdot 2 = 20$

$2 \cdot 0 = 0$

$0 \cdot 2 = 0$

2	$0 \cdot 2 = 0$
	$1 \cdot 2 = 2$
	$2 \cdot 2 = 4$
	$3 \cdot 2 = 6$
	$4 \cdot 2 = 8$
	$5 \cdot 2 = 10$
	$6 \cdot 2 = 12$
	$7 \cdot 2 = 14$
	$8 \cdot 2 = 16$
	$9 \cdot 2 = 18$
	$10 \cdot 2 = 20$



3	$2 \cdot 2 = 4$	$2 \cdot 2 = 4$
	$4 \cdot 2 = 8$	$2 \cdot 4 = 8$
	$8 \cdot 2 = 16$	$2 \cdot 8 = 16$
	$3 \cdot 2 = 6$	$2 \cdot 3 = 6$
	$6 \cdot 2 = 12$	$2 \cdot 6 = 12$
	$9 \cdot 2 = 18$	$2 \cdot 9 = 18$
	$3 \cdot 2 = 6$	$2 \cdot 3 = 6$
	$4 \cdot 2 = 8$	$2 \cdot 4 = 8$
	$7 \cdot 2 = 14$	$2 \cdot 7 = 14$
	$5 \cdot 2 = 10$	$2 \cdot 5 = 10$
	$2 \cdot 2 = 4$	$2 \cdot 2 = 4$
	$7 \cdot 2 = 14$	$2 \cdot 7 = 14$

4	• 2	
	0	0
	1	2
	2	4
	3	6
	4	8
	5	10
	6	12
	7	14
	8	16
	9	18
	10	20

5	•	0	1	2	3	4	5	6	7	8	9	10
	2	0	2	4	6	8	10	12	14	16	18	20

•	2	4	8
2	4	8	16

1

·	10	5
0	0	0
1	10	5
2	20	10
5	50	25
10	100	50

$1 \cdot 5 = 5$

$6 \cdot 5 = 30$

$3 \cdot 10 = 30$

$2 \cdot 5 = 10$

$7 \cdot 5 = 35$

$3 \cdot 5 = 15$

$3 \cdot 5 = 15$

$8 \cdot 5 = 40$

$7 \cdot 10 = 70$

$4 \cdot 5 = 20$

$9 \cdot 5 = 45$

$7 \cdot 5 = 35$

$5 \cdot 5 = 25$

$10 \cdot 5 = 50$

$9 \cdot 10 = 90$

$10 \cdot 5 = 50$

$0 \cdot 5 = 0$

$9 \cdot 5 = 45$

4



0	0
1	5
2	10
3	15
4	20
5	25
6	30
7	35
8	40
9	45
10	50

2

$1 \cdot 2 = 2$

$1 \cdot 4 = 4$

$1 \cdot 6 = 6$

$1 \cdot 8 = 8$

$2 \cdot 2 = 4$

$2 \cdot 4 = 8$

$2 \cdot 6 = 12$

$2 \cdot 8 = 16$

$5 \cdot 2 = 10$

$5 \cdot 4 = 20$

$5 \cdot 6 = 30$

$5 \cdot 8 = 40$

$10 \cdot 2 = 20$

$10 \cdot 4 = 40$

$10 \cdot 6 = 60$

$10 \cdot 8 = 80$

3

$1 \cdot 3 = 3$

$1 \cdot 5 = 5$

$1 \cdot 9 = 9$

$1 \cdot 7 = 7$

$1 \cdot 10 = 10$

$2 \cdot 3 = 6$

$2 \cdot 5 = 10$

$2 \cdot 9 = 18$

$2 \cdot 7 = 14$

$2 \cdot 10 = 20$

$5 \cdot 3 = 15$

$5 \cdot 5 = 25$

$5 \cdot 9 = 45$

$5 \cdot 7 = 35$

$5 \cdot 10 = 50$

$10 \cdot 3 = 30$

$10 \cdot 5 = 50$

$10 \cdot 9 = 90$

$10 \cdot 7 = 70$

$10 \cdot 10 = 100$

1



$2 \cdot 4 = 8$

$8 : 4 = 2$



$2 \cdot 5 = 10$

$10 : 5 = 2$



$3 \cdot 4 = 12$

$12 : 4 = 3$

2

$2 \cdot 3 = 6$

$2 \cdot 5 = 10$

$7 \cdot 2 = 14$

$6 : 3 = 2$

$10 : 5 = 2$

$14 : 2 = 7$

$5 \cdot 3 = 15$

$1 \cdot 4 = 4$

$2 \cdot 6 = 12$

$15 : 3 = 5$

$4 : 4 = 1$

$12 : 6 = 2$

$2 \cdot 2 = 4$

$3 \cdot 2 = 6$

$3 \cdot 4 = 12$

$4 : 2 = 2$

$6 : 2 = 3$

$12 : 4 = 3$

$5 \cdot 5 = 25$

$4 \cdot 5 = 20$

$4 \cdot 2 = 8$

$25 : 5 = 5$

$20 : 5 = 4$

$8 : 2 = 4$

$5 \cdot 2 = 10$

$4 \cdot 4 = 16$

$3 \cdot 5 = 15$

$10 : 2 = 5$

$16 : 4 = 4$

$15 : 5 = 3$

$6 \cdot 4 = 24$

$3 \cdot 3 = 9$

$3 \cdot 6 = 18$

$24 : 4 = 6$

$9 : 3 = 3$

$18 : 6 = 3$

3

$12 : 2 = 6$

$8 : 2 = 4$

$20 : 2 = 10$

$6 \cdot 2 = 12$

$4 \cdot 2 = 8$

$10 \cdot 2 = 20$

$12 : 3 = 4$

$12 : 4 = 3$

$10 : 5 = 2$

$4 \cdot 3 = 12$

$3 \cdot 4 = 12$

$2 \cdot 5 = 10$

$15 : 5 = 3$

$18 : 6 = 3$

$18 : 9 = 2$

$3 \cdot 5 = 15$

$3 \cdot 6 = 18$

$2 \cdot 9 = 18$

$9 : 3 = 3$

$12 : 6 = 2$

$20 : 4 = 5$

$3 \cdot 3 = 9$

$2 \cdot 6 = 12$

$5 \cdot 4 = 20$

$8 : 4 = 2$

$20 : 5 = 4$

$14 : 2 = 7$

$2 \cdot 4 = 8$

$4 \cdot 5 = 20$

$7 \cdot 2 = 14$

$14 : 7 = 2$

$16 : 8 = 2$

$15 : 3 = 5$

$2 \cdot 7 = 14$

$2 \cdot 8 = 16$

$5 \cdot 3 = 15$

4 5 20
 $4 \cdot 5 = 20$
 $5 \cdot 4 = 20$
 $20 : 4 = 5$
 $20 : 5 = 4$

2 7 14
 $2 \cdot 7 = 14$
 $7 \cdot 2 = 14$
 $14 : 2 = 7$
 $14 : 7 = 2$

4 6 24
 $4 \cdot 6 = 24$
 $6 \cdot 4 = 24$
 $24 : 4 = 6$
 $24 : 6 = 4$

2 10 20
 $2 \cdot 10 = 20$
 $10 \cdot 2 = 20$
 $20 : 2 = 10$
 $20 : 10 = 2$

3 4 12
 $3 \cdot 4 = 12$
 $4 \cdot 3 = 12$
 $12 : 3 = 4$
 $12 : 4 = 3$

2 5 10
 $2 \cdot 5 = 10$
 $5 \cdot 2 = 10$
 $10 : 2 = 5$
 $10 : 5 = 2$

2 8 16
 $2 \cdot 8 = 16$
 $8 \cdot 2 = 16$
 $16 : 2 = 8$
 $16 : 8 = 2$

2 9 18
 $2 \cdot 9 = 18$
 $9 \cdot 2 = 18$
 $18 : 2 = 9$
 $18 : 9 = 2$

2 6 12
 $2 \cdot 6 = 12$
 $6 \cdot 2 = 12$
 $12 : 2 = 6$
 $12 : 6 = 2$

3 5 15
 $3 \cdot 5 = 15$
 $5 \cdot 3 = 15$
 $15 : 3 = 5$
 $15 : 5 = 3$

3 6 18
 $3 \cdot 6 = 18$
 $6 \cdot 3 = 18$
 $18 : 3 = 6$
 $18 : 6 = 3$

5 6 30
 $5 \cdot 6 = 30$
 $6 \cdot 5 = 30$
 $30 : 5 = 6$
 $30 : 6 = 5$

1

·	2	4
1	2	4
2	4	8
5	10	20
10	20	40

·	4	8
1	4	8
2	8	16
5	20	40
10	40	80

·	4	8
4	16	32
8	32	64

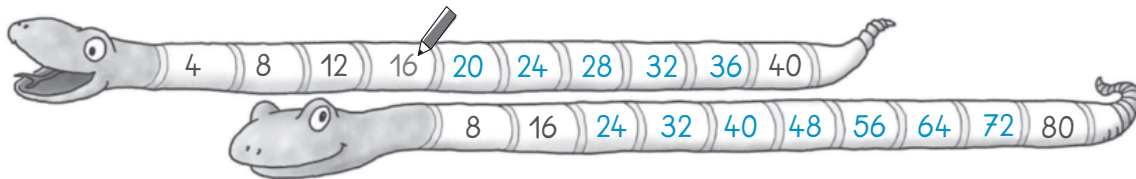
2

$$\begin{array}{llll}
 1 \cdot 4 = 4 & 6 \cdot 4 = 24 & 36 : 4 = 9 & 16 = 4 \cdot 4 \\
 2 \cdot 4 = 8 & 7 \cdot 4 = 28 & 20 : 4 = 5 & 36 = 9 \cdot 4 \\
 3 \cdot 4 = 12 & 8 \cdot 4 = 32 & 40 : 4 = 10 & 12 = 3 \cdot 4 \\
 4 \cdot 4 = 16 & 9 \cdot 4 = 36 & 24 : 4 = 6 & 28 = 7 \cdot 4 \\
 5 \cdot 4 = 20 & 10 \cdot 4 = 40 & 8 : 4 = 2 & 24 = 6 \cdot 4 \\
 10 \cdot 4 = 40 & 0 \cdot 4 = 0 & 12 : 4 = 3 & 20 = 5 \cdot 4
 \end{array}$$

3

$$\begin{array}{llll}
 1 \cdot 8 = 8 & 6 \cdot 8 = 48 & 8 : 8 = 1 & 16 = 2 \cdot 8 \\
 2 \cdot 8 = 16 & 7 \cdot 8 = 56 & 48 : 8 = 6 & 72 = 9 \cdot 8 \\
 3 \cdot 8 = 24 & 8 \cdot 8 = 64 & 16 : 8 = 2 & 80 = 10 \cdot 8 \\
 4 \cdot 8 = 32 & 9 \cdot 8 = 72 & 56 : 8 = 7 & 24 = 3 \cdot 8 \\
 5 \cdot 8 = 40 & 10 \cdot 8 = 80 & 24 : 8 = 3 & 40 = 5 \cdot 8 \\
 10 \cdot 8 = 80 & 0 \cdot 8 = 0 & 72 : 8 = 9 & 32 = 4 \cdot 8
 \end{array}$$

4



1 $5 \cdot 4 = 20$

$6 \cdot 4 = 24$

$10 \cdot 4 = 40$

$9 \cdot 4 = 36$

$8 \cdot 4 = 32$

$2 \cdot 8 = 16$

$3 \cdot 8 = 24$

$5 \cdot 8 = 40$

$6 \cdot 8 = 48$

$7 \cdot 8 = 56$

2 $40 : 4 = 10$

$36 : 4 = 9$

$24 : 4 = 6$

$20 : 4 = 5$

$16 : 4 = 4$

$80 : 8 = 10$

$72 : 8 = 9$

$40 : 8 = 5$

$48 : 8 = 6$

$56 : 8 = 7$

$40 : 8 = 5$

$20 : 4 = 5$

$16 : 2 = 8$

$16 : 4 = 4$

$16 : 8 = 2$



2	8
9	36
4	16
7	28
5	20
8	32
6	24
3	12



5	40
9	72
8	64
6	48
2	16
7	56
3	24
0	0



6	24
4	16
7	28
5	20
9	36
10	40
3	12
2	8



5	40
2	16
7	56
4	32
8	64
6	48
1	8
3	24



5	20
3	12
6	24
8	32
10	40
1	4
5	20
0	0



0	0
4	32
9	72
3	24
6	48
10	80
1	8
7	56

1

·	2	3
1	2	3
2	4	6
5	10	15
10	20	30

·	3	6
1	3	6
2	6	12
5	15	30
10	30	60

·	3	6
3	9	18
6	18	36

2

$1 \cdot 3 = 3$

$6 \cdot 3 = 18$

$15 : 3 = 5$

$12 = 4 \cdot 3$

$2 \cdot 3 = 6$

$7 \cdot 3 = 21$

$24 : 3 = 8$

$9 = 3 \cdot 3$

$3 \cdot 3 = 9$

$8 \cdot 3 = 24$

$27 : 3 = 9$

$24 = 8 \cdot 3$

$4 \cdot 3 = 12$

$9 \cdot 3 = 27$

$21 : 3 = 7$

$18 = 6 \cdot 3$

$5 \cdot 3 = 15$

$10 \cdot 3 = 30$

$12 : 3 = 4$

$30 = 10 \cdot 3$

$10 \cdot 3 = 30$

$0 \cdot 3 = 0$

$18 : 3 = 6$

$15 = 5 \cdot 3$

3

$1 \cdot 6 = 6$

$6 \cdot 6 = 36$

$24 : 6 = 4$

$54 = 9 \cdot 6$

$2 \cdot 6 = 12$

$7 \cdot 6 = 42$

$12 : 6 = 2$

$30 = 5 \cdot 6$

$3 \cdot 6 = 18$

$8 \cdot 6 = 48$

$18 : 6 = 3$

$24 = 4 \cdot 6$

$4 \cdot 6 = 24$

$9 \cdot 6 = 54$

$48 : 6 = 8$

$36 = 6 \cdot 6$

$5 \cdot 6 = 30$

$10 \cdot 6 = 60$

$60 : 6 = 10$

$18 = 3 \cdot 6$

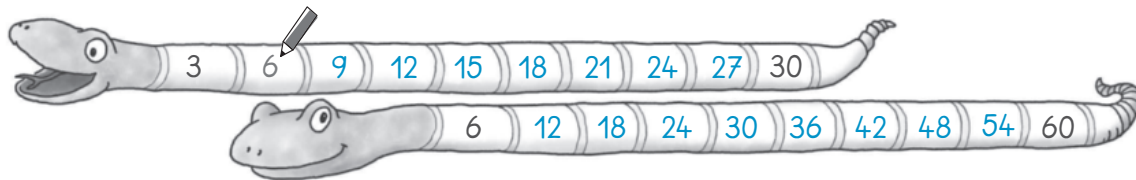
$10 \cdot 6 = 60$

$0 \cdot 6 = 0$

$30 : 6 = 5$

$48 = 8 \cdot 6$

4



1 $5 \cdot 3 = 15$

$2 \cdot 6 = 12$

$6 \cdot 3 = 18$

$3 \cdot 6 = 18$

$10 \cdot 3 = 30$

$10 \cdot 6 = 60$

$9 \cdot 3 = 27$

$9 \cdot 6 = 54$

$8 \cdot 3 = 24$

$8 \cdot 6 = 48$

2 $30 : 3 = 10$

$60 : 6 = 10$

$18 : 6 = 3$

$27 : 3 = 9$

$54 : 6 = 9$

$12 : 6 = 2$

$18 : 3 = 6$

$30 : 6 = 5$

$6 : 1 = 6$

$15 : 3 = 5$

$36 : 6 = 6$

$6 : 3 = 2$

$12 : 3 = 4$

$42 : 6 = 7$

$6 : 6 = 1$



9	27
2	6
8	24
5	15
6	18
7	21
4	12
1	3



5	30
7	42
3	18
4	24
9	54
2	12
10	60
6	36



5	15
1	3
6	18
3	9
9	27
7	21
0	0
10	30



2	12
4	24
10	60
7	42
9	54
6	36
8	48
1	6



5	15
4	12
3	9
2	6
10	30
8	24
0	0
7	21



5	30
3	18
7	42
8	48
1	6
0	0
9	54
6	36

Einmaleinsreihen: mit 3 und 6

1

·	7	9
1	7	9
2	14	18
5	35	45
10	70	90

·	7	9
7	49	63
9	63	81

·	3	6	9
1	3	6	9
2	6	12	18
5	15	30	45
10	30	60	90

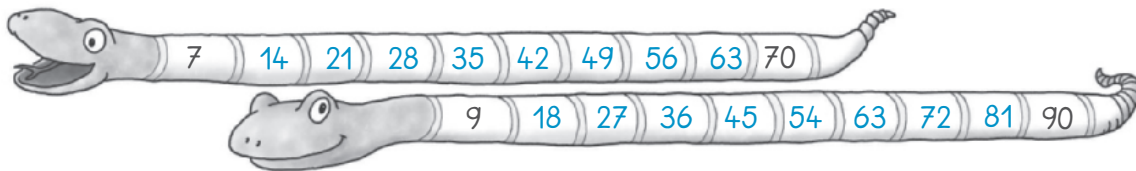
2

$$\begin{array}{llll}
 1 \cdot 7 = 7 & 6 \cdot 7 = 42 & 35 : 7 = 5 & 49 = 7 \cdot 7 \\
 2 \cdot 7 = 14 & 7 \cdot 7 = 49 & 14 : 7 = 2 & 21 = 3 \cdot 7 \\
 3 \cdot 7 = 21 & 8 \cdot 7 = 56 & 42 : 7 = 6 & 7 = 1 \cdot 7 \\
 4 \cdot 7 = 28 & 9 \cdot 7 = 63 & 70 : 7 = 10 & 56 = 8 \cdot 7 \\
 5 \cdot 7 = 35 & 10 \cdot 7 = 70 & 28 : 7 = 4 & 35 = 5 \cdot 7 \\
 10 \cdot 7 = 70 & 0 \cdot 7 = 0 & 49 : 7 = 7 & 28 = 4 \cdot 7
 \end{array}$$

3

$$\begin{array}{llll}
 1 \cdot 9 = 9 & 6 \cdot 9 = 54 & 45 : 9 = 5 & 18 = 2 \cdot 9 \\
 2 \cdot 9 = 18 & 7 \cdot 9 = 63 & 54 : 9 = 6 & 72 = 8 \cdot 9 \\
 3 \cdot 9 = 27 & 8 \cdot 9 = 72 & 27 : 9 = 3 & 81 = 9 \cdot 9 \\
 4 \cdot 9 = 36 & 9 \cdot 9 = 81 & 63 : 9 = 7 & 36 = 4 \cdot 9 \\
 5 \cdot 9 = 45 & 10 \cdot 9 = 90 & 81 : 9 = 9 & 90 = 10 \cdot 9 \\
 10 \cdot 9 = 90 & 0 \cdot 9 = 0 & 36 : 9 = 4 & 54 = 6 \cdot 9
 \end{array}$$

4



1

$2 \cdot 7 = 14$	$2 \cdot 9 = 18$
$3 \cdot 7 = 21$	$3 \cdot 9 = 27$
$10 \cdot 7 = 70$	$5 \cdot 9 = 45$
$9 \cdot 7 = 63$	$6 \cdot 9 = 54$
$8 \cdot 7 = 56$	$7 \cdot 9 = 63$

2

$70 : 7 = 10$	$90 : 9 = 10$	$42 : 6 = 7$
$63 : 7 = 9$	$81 : 9 = 9$	$42 : 7 = 6$
$35 : 7 = 5$	$18 : 9 = 2$	$18 : 3 = 6$
$42 : 7 = 6$	$27 : 9 = 3$	$18 : 6 = 3$
$49 : 7 = 7$	$36 : 9 = 4$	$18 : 9 = 2$

3

3	21
7	49
5	35
8	56
4	28
9	63
6	42
2	14

8	72
5	45
7	63
3	27
9	81
6	54
2	18
4	36

4

10	70
3	21
7	49
2	14
6	42
5	35
9	63
1	7

9	81
6	54
1	9
8	72
3	27
7	63
5	45
4	36

5

6	42
4	28
10	70
9	63
8	56
2	14
1	7
7	49

10	90
4	36
5	45
6	54
3	27
2	18
7	63
8	72

1



$5 \cdot 3 = 15$

$2 \cdot 3 = 6$

$7 \cdot 3 = 21$



$2 \cdot 2 = 4$

$4 \cdot 2 = 8$

$6 \cdot 2 = 12$



$3 \cdot 4 = 12$

$6 \cdot 4 = 24$

$9 \cdot 4 = 36$

2

$5 \cdot 6 = 30$

$5 \cdot 4 = 20$

$5 \cdot 7 = 35$

$2 \cdot 6 = 12$

$3 \cdot 6 = 18$

$2 \cdot 5 = 10$

$2 \cdot 6 = 12$

$2 \cdot 4 = 8$

$1 \cdot 7 = 7$

$4 \cdot 6 = 24$

$6 \cdot 6 = 36$

$4 \cdot 5 = 20$

$7 \cdot 6 = 42$

$7 \cdot 4 = 28$

$6 \cdot 7 = 42$

$6 \cdot 6 = 36$

$9 \cdot 6 = 54$

$6 \cdot 5 = 30$

3

$5 \cdot 9 = 45$

$5 \cdot 8 = 40$

$5 \cdot 9 = 45$

$2 \cdot 8 = 16$

$3 \cdot 9 = 27$

$5 \cdot 6 = 30$

$2 \cdot 9 = 18$

$2 \cdot 8 = 16$

$1 \cdot 9 = 9$

$4 \cdot 8 = 32$

$6 \cdot 9 = 54$

$3 \cdot 6 = 18$

$7 \cdot 9 = 63$

$7 \cdot 8 = 56$

$6 \cdot 9 = 54$

$6 \cdot 8 = 48$

$9 \cdot 9 = 81$

$8 \cdot 6 = 48$

4

$5 \cdot 7 = 35$

$5 \cdot 5 = 25$

$5 \cdot 8 = 40$

$2 \cdot 7 = 14$

$3 \cdot 5 = 15$

$5 \cdot 8 = 40$

$2 \cdot 7 = 14$

$2 \cdot 5 = 10$

$1 \cdot 8 = 8$

$4 \cdot 7 = 28$

$6 \cdot 5 = 30$

$3 \cdot 8 = 24$

$7 \cdot 7 = 49$

$7 \cdot 5 = 35$

$6 \cdot 8 = 48$

$6 \cdot 7 = 42$

$9 \cdot 5 = 45$

$8 \cdot 8 = 64$

1

$7 \cdot 4 = 28$	$8 \cdot 9 = 72$	$6 \cdot 4 = 24$	$9 \cdot 5 = 45$
$5 \cdot 4 = 20$	$1 \cdot 9 = 9$	$2 \cdot 4 = 8$	$5 \cdot 5 = 25$
$2 \cdot 4 = 8$	$7 \cdot 9 = 63$	$4 \cdot 4 = 16$	$4 \cdot 5 = 20$
$7 \cdot 2 = 14$	$8 \cdot 3 = 24$	$6 \cdot 2 = 12$	$9 \cdot 7 = 63$
$5 \cdot 2 = 10$	$1 \cdot 3 = 3$	$2 \cdot 2 = 4$	$5 \cdot 7 = 35$
$2 \cdot 2 = 4$	$7 \cdot 3 = 21$	$4 \cdot 2 = 8$	$4 \cdot 7 = 28$
$7 \cdot 8 = 56$	$8 \cdot 6 = 48$	$6 \cdot 8 = 48$	$9 \cdot 9 = 81$
$5 \cdot 8 = 40$	$1 \cdot 6 = 6$	$2 \cdot 8 = 16$	$5 \cdot 9 = 45$
$2 \cdot 8 = 16$	$7 \cdot 6 = 42$	$4 \cdot 8 = 32$	$4 \cdot 9 = 36$

2

·	7	3	2	6
10	70	30	20	60
5	35	15	10	30
8	56	24	16	48
2	14	6	4	12

·	9	5	4	8
10	90	50	40	80
5	45	25	20	40
8	72	40	32	64
2	18	10	8	16

3

·	10	2	8
3	30	6	24
9	90	18	72
4	40	8	32
5	50	10	40
8	80	16	64

·	5	3	8
10	50	30	80
7	35	21	56
9	45	27	72
2	10	6	16
6	30	18	48

·	7	9	6
4	28	36	24
7	49	63	42
5	35	45	30
8	56	72	48
3	21	27	18

Geschicht multiplizieren

1

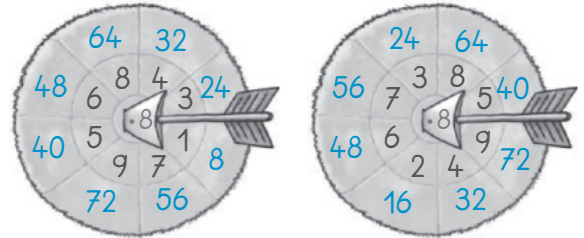
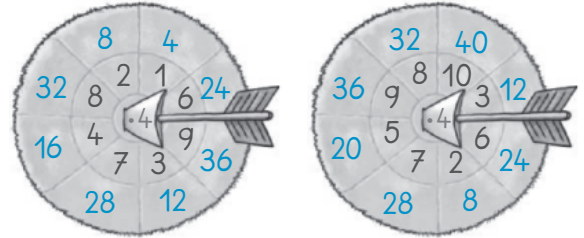
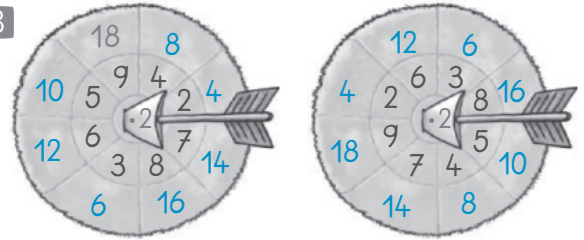
$3 \cdot 2 = 6$	$2 \cdot 5 = 10$	$4 \cdot 2 = 8$
$3 \cdot 4 = 12$	$4 \cdot 5 = 20$	$2 \cdot 4 = 8$
$3 \cdot 8 = 24$	$8 \cdot 5 = 40$	$1 \cdot 8 = 8$
$8 \cdot 2 = 16$	$2 \cdot 7 = 14$	$8 \cdot 2 = 16$
$8 \cdot 4 = 32$	$4 \cdot 7 = 28$	$4 \cdot 4 = 16$
$8 \cdot 8 = 64$	$8 \cdot 7 = 56$	$2 \cdot 8 = 16$
$9 \cdot 2 = 18$	$2 \cdot 6 = 12$	$2 \cdot 2 = 4$
$9 \cdot 4 = 36$	$4 \cdot 6 = 24$	$4 \cdot 4 = 16$
$9 \cdot 8 = 72$	$8 \cdot 6 = 48$	$8 \cdot 8 = 64$

2

·	2	4	8
2	4	8	16
5	10	20	40
10	20	40	80
8	16	32	64
0	0	0	0

·	2	4	8
3	6	12	24
6	12	24	48
9	18	36	72
7	14	28	56
4	8	16	32

3



1







$16 : 8 = 2$	$72 : 8 = 9$	$56 : 8 = 7$	$64 : 8 = 8$	$8 : 8 = 1$	$32 : 8 = 4$
$16 : 4 = 4$	$24 : 4 = 6$	$32 : 4 = 8$	$20 : 4 = 5$	$8 : 4 = 2$	$12 : 4 = 3$
$16 : 2 = 8$	$6 : 2 = 3$	$4 : 2 = 2$	$18 : 2 = 9$	$8 : 2 = 4$	$2 : 2 = 1$

$48 : 8 = 6$	$8 : 8 = 1$	$40 : 8 = 5$	$24 : 8 = 3$	$72 : 8 = 9$	$80 : 8 = 10$
$28 : 4 = 7$	$36 : 4 = 9$	$40 : 4 = 10$	$12 : 4 = 3$	$4 : 4 = 1$	$16 : 4 = 4$
$14 : 2 = 7$	$10 : 2 = 5$	$20 : 4 = 5$	$12 : 2 = 6$	$2 : 2 = 1$	$18 : 2 = 9$

2

$7 \cdot 8 = 56$	$10 \cdot 8 = 80$	$9 \cdot 8 = 72$	$6 \cdot 8 = 48$	$4 \cdot 8 = 32$	$8 \cdot 8 = 64$
$8 \cdot 4 = 32$	$2 \cdot 4 = 8$	$9 \cdot 4 = 36$	$4 \cdot 4 = 16$	$7 \cdot 4 = 28$	$1 \cdot 4 = 4$
$9 \cdot 2 = 18$	$5 \cdot 2 = 10$	$8 \cdot 2 = 16$	$2 \cdot 2 = 4$	$7 \cdot 2 = 14$	$10 \cdot 2 = 20$

3

 $5 \cdot 8$ $10 \cdot 4$	 $4 \cdot 8$ $8 \cdot 4$	 $5 \cdot 4$ $10 \cdot 2$	 $3 \cdot 4$ $6 \cdot 2$	 $2 \cdot 8$ $4 \cdot 4$	 $3 \cdot 8$ $6 \cdot 4$
--	---	--	---	---	---

1

$2 \cdot 3 = 6$

$3 \cdot 5 = 15$

$6 \cdot 3 = 18$

$2 \cdot 6 = 12$

$6 \cdot 5 = 30$

$3 \cdot 6 = 18$

$2 \cdot 9 = 18$

$9 \cdot 5 = 45$

$2 \cdot 9 = 18$

$8 \cdot 3 = 24$

$3 \cdot 7 = 21$

$0 \cdot 3 = 0$

$8 \cdot 6 = 48$

$6 \cdot 7 = 42$

$0 \cdot 6 = 0$

$8 \cdot 9 = 72$

$9 \cdot 7 = 63$

$0 \cdot 9 = 0$

$9 \cdot 3 = 27$

$3 \cdot 4 = 12$

$3 \cdot 3 = 9$

$9 \cdot 6 = 54$

$6 \cdot 4 = 24$

$6 \cdot 6 = 36$

$9 \cdot 9 = 81$

$9 \cdot 4 = 36$

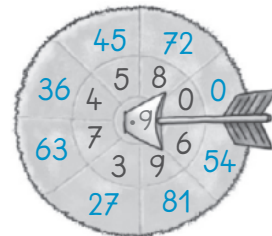
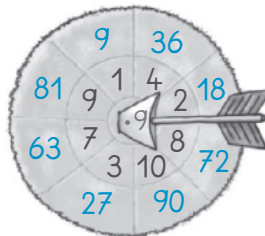
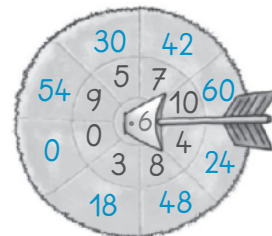
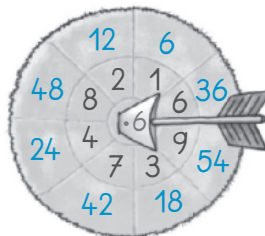
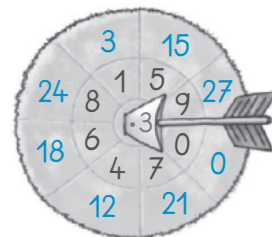
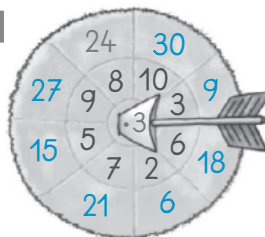
$9 \cdot 9 = 81$

2

·	3	6	9
3	9	18	27
6	18	36	54
9	27	54	81
7	21	42	63
4	12	24	36

·	3	6	9
5	15	30	45
2	6	12	18
8	24	48	72
1	3	6	9
0	0	0	0

3









1

$18 : 9 = 2$	$54 : 9 = 6$	$81 : 9 = 9$	$90 : 9 = 10$	$9 : 9 = 1$	$54 : 9 = 6$
$18 : 6 = 3$	$24 : 6 = 4$	$36 : 6 = 6$	$54 : 6 = 9$	$6 : 6 = 1$	$30 : 6 = 5$
$18 : 3 = 6$	$27 : 3 = 9$	$9 : 3 = 3$	$6 : 3 = 2$	$3 : 3 = 1$	$27 : 3 = 9$
$27 : 9 = 3$	$72 : 9 = 8$	$45 : 9 = 5$	$81 : 9 = 9$	$63 : 9 = 7$	$36 : 9 = 4$
$12 : 6 = 2$	$48 : 6 = 8$	$24 : 6 = 4$	$60 : 6 = 10$	$42 : 6 = 7$	$36 : 6 = 6$
$15 : 3 = 5$	$21 : 3 = 7$	$12 : 3 = 4$	$24 : 3 = 8$	$9 : 3 = 3$	$30 : 3 = 10$

2

$3 \cdot 9 = 27$	$2 \cdot 9 = 18$	$5 \cdot 9 = 45$	$9 \cdot 9 = 81$	$7 \cdot 9 = 63$	$8 \cdot 9 = 72$
$4 \cdot 6 = 24$	$5 \cdot 6 = 30$	$8 \cdot 6 = 48$	$7 \cdot 6 = 42$	$6 \cdot 6 = 36$	$9 \cdot 6 = 54$
$4 \cdot 3 = 12$	$8 \cdot 3 = 24$	$6 \cdot 3 = 18$	$2 \cdot 3 = 6$	$9 \cdot 3 = 27$	$7 \cdot 3 = 21$

3

					
$5 \cdot 6$	$4 \cdot 6$	$4 \cdot 9$	$3 \cdot 9$	$3 \cdot 6$	$2 \cdot 6$
$10 \cdot 3$	$8 \cdot 3$	$6 \cdot 6$	$9 \cdot 3$	$6 \cdot 3$	$4 \cdot 3$

1



$$47 - 22 = 25$$

$$47 - 20 = 27$$

$$27 - 2 = 25$$



$$57 - 46 = 11$$

$$57 - 40 = 17$$

$$17 - 6 = 11$$



$$36 - 24 = 12$$

$$36 - 20 = 16$$

$$16 - 4 = 12$$



$$56 - 32 = 24$$

$$56 - 30 = 26$$

$$26 - 2 = 24$$

2

$$78 - 57 = 21$$

$$78 - 50 = 28$$

$$28 - 7 = 21$$

$$87 - 56 = 31$$

$$87 - 50 = 37$$

$$37 - 6 = 31$$

$$79 - 45 = 34$$

$$79 - 40 = 39$$

$$39 - 5 = 34$$

$$69 - 24 = 45$$

$$69 - 20 = 49$$

$$49 - 4 = 45$$

3

$$55 - 31 = 24$$

$$55 - 30 = 25$$

$$25 - 1 = 24$$

$$64 - 23 = 41$$

$$64 - 20 = 44$$

$$44 - 3 = 41$$

$$98 - 44 = 54$$

$$98 - 40 = 58$$

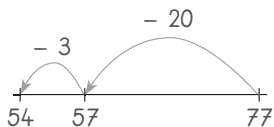
$$58 - 4 = 54$$

$$95 - 62 = 33$$

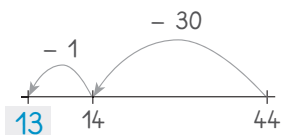
$$95 - 60 = 35$$

$$35 - 2 = 33$$

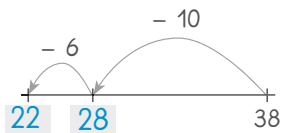
1



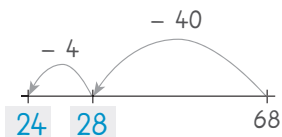
$$\begin{array}{r} 77 - 23 = 54 \\ 77 - 20 = 57 \\ 57 - 3 = 54 \end{array}$$



$$\begin{array}{r} 44 - 31 = 13 \\ 44 - 30 = 14 \\ 14 - 1 = 13 \end{array}$$



$$\begin{array}{r} 38 - 16 = 22 \\ 38 - 10 = 28 \\ 28 - 6 = 22 \end{array}$$



$$\begin{array}{r} 68 - 44 = 24 \\ 68 - 40 = 28 \\ 28 - 4 = 24 \end{array}$$

2

$$\begin{array}{r} 89 - 48 = 41 \\ 89 - 40 = 49 \\ 49 - 8 = 41 \end{array}$$

$$\begin{array}{r} 96 - 55 = 41 \\ 96 - 50 = 46 \\ 46 - 5 = 41 \end{array}$$

$$\begin{array}{r} 66 - 35 = 31 \\ 66 - 30 = 36 \\ 36 - 5 = 31 \end{array}$$

$$\begin{array}{r} 59 - 46 = 13 \\ 59 - 40 = 19 \\ 19 - 6 = 13 \end{array}$$

3

$$\begin{array}{r} 65 - 43 = 22 \\ 65 - 40 = 25 \\ 25 - 3 = 22 \end{array}$$

$$\begin{array}{r} 76 - 42 = 34 \\ 76 - 40 = 36 \\ 36 - 2 = 34 \end{array}$$

$$\begin{array}{r} 94 - 13 = 81 \\ 94 - 10 = 84 \\ 84 - 3 = 81 \end{array}$$

$$\begin{array}{r} 67 - 32 = 35 \\ 67 - 30 = 37 \\ 37 - 2 = 35 \end{array}$$

Erst Zehner weg, dann Einer

1



$$19 + 33 = 52$$

$$19 + 30 = 49$$

$$49 + 3 = 52$$



$$37 + 28 = 65$$

$$37 + 20 = 57$$

$$57 + 8 = 65$$



$$45 + 27 = 72$$

$$45 + 20 = 65$$

$$65 + 7 = 72$$



$$37 + 44 = 81$$

$$37 + 40 = 77$$

$$77 + 4 = 81$$

2

$$36 + 58 = 94$$

$$36 + 50 = 86$$

$$86 + 8 = 94$$

$$23 + 49 = 72$$

$$23 + 40 = 63$$

$$63 + 9 = 72$$

$$66 + 27 = 93$$

$$66 + 20 = 86$$

$$86 + 7 = 93$$

$$64 + 18 = 85$$

$$67 + 10 = 77$$

$$77 + 8 = 85$$

3

$$73 + 18 = 91$$

$$73 + 10 = 83$$

$$83 + 8 = 91$$

$$29 + 71 = 100$$

$$29 + 70 = 99$$

$$99 + 1 = 100$$

$$55 + 39 = 94$$

$$55 + 30 = 85$$

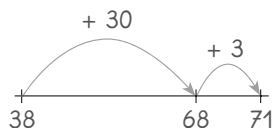
$$85 + 9 = 94$$

$$56 + 38 = 94$$

$$56 + 30 = 86$$

$$86 + 8 = 94$$

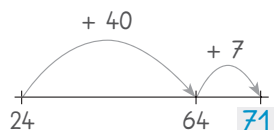
1



$$38 + 33 = 71$$

$$38 + 30 = 68$$

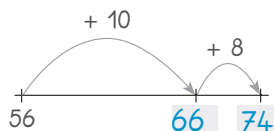
$$68 + 3 = 71$$



$$24 + 47 = 71$$

$$24 + 40 = 64$$

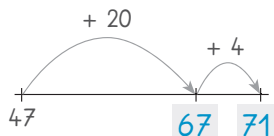
$$64 + 7 = 71$$



$$56 + 18 = 74$$

$$56 + 10 = 66$$

$$66 + 8 = 74$$



$$47 + 24 = 71$$

$$47 + 20 = 67$$

$$67 + 4 = 71$$

2

$$27 + 56 = 83$$

$$27 + 50 = 77$$

$$77 + 6 = 83$$

$$54 + 27 = 81$$

$$54 + 20 = 74$$

$$74 + 7 = 81$$

$$63 + 28 = 91$$

$$63 + 20 = 83$$

$$83 + 8 = 91$$

$$49 + 23 = 72$$

$$49 + 20 = 69$$

$$69 + 3 = 72$$

3

$$53 + 39 = 92$$

$$53 + 30 = 83$$

$$83 + 9 = 92$$

$$66 + 25 = 91$$

$$66 + 20 = 86$$

$$86 + 5 = 91$$

$$44 + 38 = 82$$

$$44 + 30 = 74$$

$$74 + 8 = 82$$

$$17 + 77 = 94$$

$$17 + 70 = 87$$

$$87 + 7 = 94$$

Erst Zehner dazu, dann Einer

1

	2	4	6	8	10
	12	14	16	18	20
	22	24	26	28	30
	32	34	36	38	40
	42	44	46	48	50
	52	54	56	58	60
	62	64	66	68	70
	72	74	76	78	80
	82	84	86	88	90
	92	94	96	98	100



2

Zweierreihe



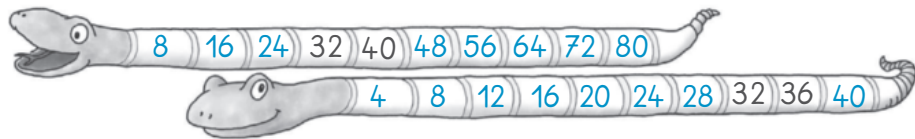
4

Viererreihe



8

Achterreihe



2

$$2 \cdot 2 = 4$$

$$5 \cdot 4 = 20$$

$$10 \cdot 8 = 80$$

$$2 \cdot 8 = 16$$

$$5 \cdot 2 = 10$$

$$10 \cdot 4 = 40$$

$$2 \cdot 4 = 8$$

$$5 \cdot 8 = 40$$

$$10 \cdot 2 = 20$$

$$2 \cdot 2 = 4$$

$$4 \cdot 4 = 16$$

$$8 \cdot 8 = 64$$

3

$$16 : 8 = 2$$

$$80 : 8 = 10$$

$$40 : 8 = 5$$

$$20 : 4 = 5$$

$$8 : 4 = 2$$

$$40 : 4 = 10$$

$$20 : 2 = 10$$

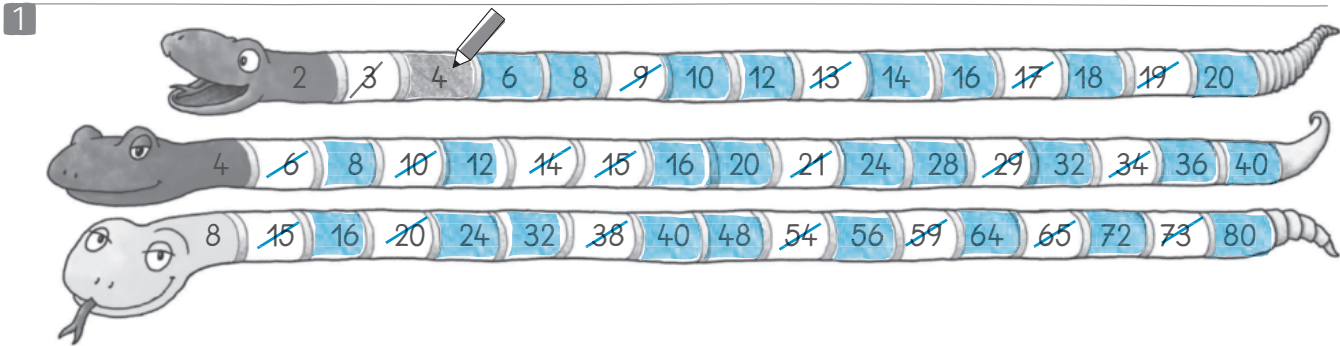
$$10 : 2 = 5$$

$$4 : 2 = 2$$

$$64 : 8 = 8$$

$$32 : 4 = 8$$

$$16 : 2 = 8$$



2

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

3

↔ · 4 ↔		↔ · 4 ↔	
9	36	3	12
5	20	7	28
7	28	10	40
10	40	1	4
1	4	8	32
8	32	9	36
6	24	5	20
4	16	2	8

4

↔ · 8 ↔		↔ · 8 ↔	
3	24	6	48
7	56	7	56
5	40	3	24
9	72	1	8
4	32	9	72
2	16	8	64
6	48	10	80
10	80	4	32

Einmaleins mit 2, 4 und 8

1

		3		6			9	
	12			15			18	
21			24			27		30
		33			36			39
	42			45			48	
51			54			57		60
		63			66			69
	72			75			78	
81			84			87		90
		93			96			99



3

Dreierreihe



6

Sechserreihe



9

Neunerreihe

2

$2 \cdot 3 = 6$

$5 \cdot 6 = 30$

$10 \cdot 9 = 90$

$2 \cdot 6 = 12$

$5 \cdot 9 = 45$

$10 \cdot 3 = 30$

$2 \cdot 9 = 18$

$5 \cdot 3 = 15$

$10 \cdot 6 = 60$

$3 \cdot 3 = 9$

$6 \cdot 6 = 36$

$9 \cdot 9 = 81$

3

$90 : 9 = 10$

$45 : 9 = 5$

$18 : 9 = 2$

$12 : 6 = 2$

$60 : 6 = 10$

$30 : 6 = 5$

$15 : 3 = 5$

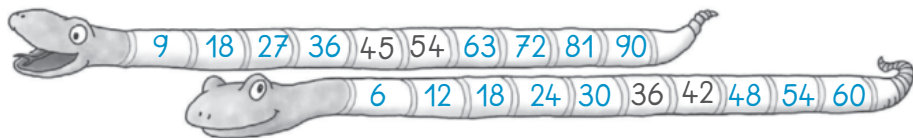
$6 : 3 = 2$

$30 : 3 = 10$

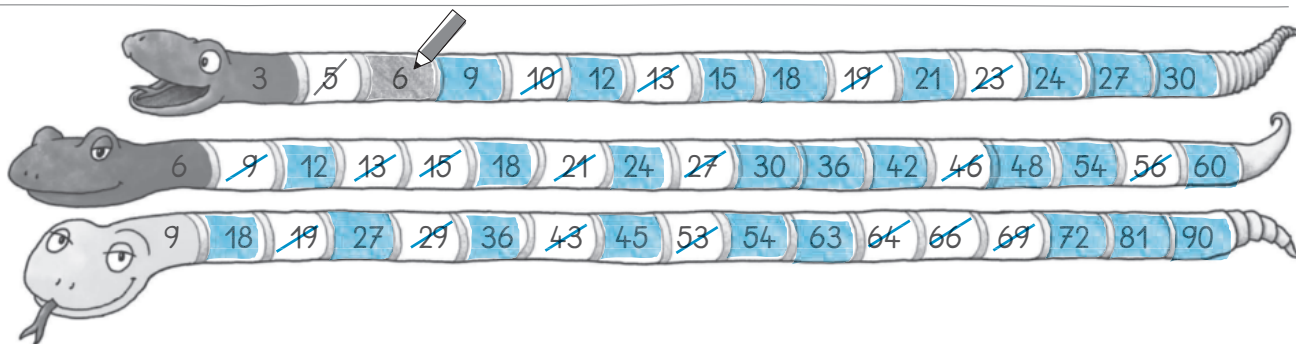
$36 : 6 = 6$

$81 : 9 = 9$

$9 : 3 = 3$



1



2



4	12
7	21
2	6
6	18
5	15
9	27
8	24
10	30



5	15
7	21
4	12
1	3
6	18
8	24
2	6
10	30

3



3	18
5	30
8	48
4	24
7	42
6	36
9	54
10	60



5	30
6	36
7	42
10	60
8	48
9	54
4	24
2	12

4



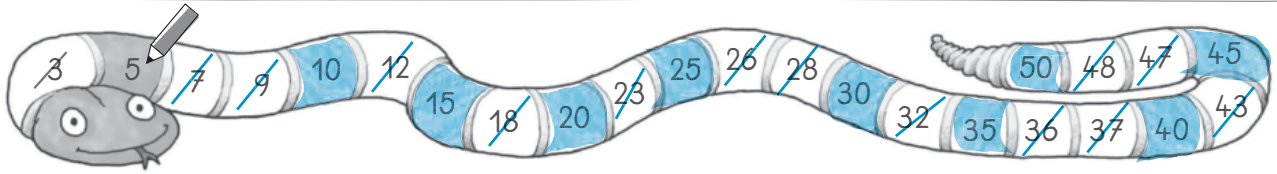
5	45
7	63
6	54
0	0
3	27
9	81
8	72
4	36



7	63
5	45
1	9
6	54
4	36
8	72
9	81
3	27

Einmaleins mit 3, 6 und 9

1



2



4	20
2	10
7	35
10	50
3	15
5	25
8	40
9	45
6	30
1	5



3	15
10	50
1	5
9	45
8	40
2	10
5	25
4	20
7	35
6	30

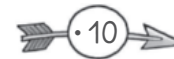


8	40
4	20
9	45
1	5
6	30
2	10
3	15
7	35
5	25
10	50

3



2	20
8	80
1	10
3	30
10	100
7	70
5	50
9	90
6	60
4	40

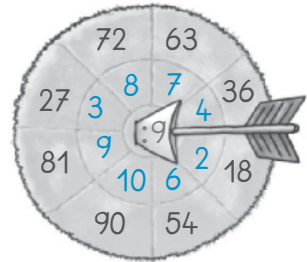
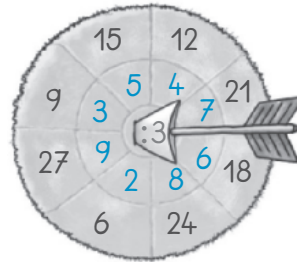
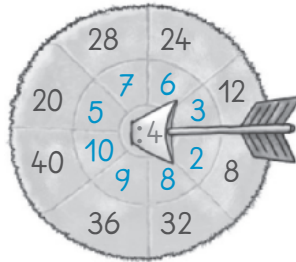
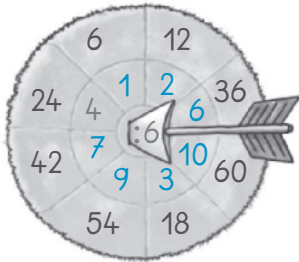


4	40
1	10
7	70
3	30
8	80
2	20
6	60
10	100
9	90
5	50



5	50
1	10
6	60
2	20
9	90
3	30
7	70
4	40
10	100
8	80

1



2



7	35
8	40
5	25



1	7
7	49
9	63



4	32
2	16
5	40

3



5	20
4	16
6	24



5	10
6	12
9	18



6	54
9	81
7	63

4

·	4	8	5
3	12	24	15
4	16	32	20
7	28	56	35
2	8	16	10
9	36	72	45

·	9	6	7
9	81	54	63
6	54	36	42
5	45	30	35
3	27	18	21
8	72	48	56

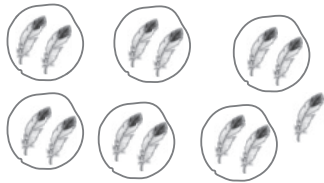
5

:	2	6	9	4
36	18	6	4	9

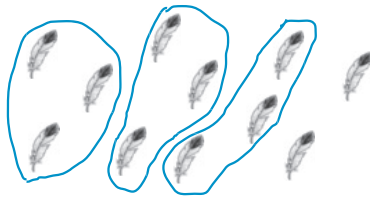
:	3	6	5	10
30	10	5	6	3

:	9
18	2
81	9
45	5
54	6
72	8

1



$$13 : 2 = 6 \text{ Rest } 1$$



$$11 : 3 = 3 \text{ Rest } 2$$



$$15 : 4 = 3 \text{ Rest } 3$$

2

$$7 : 3 = 2 \text{ R } 1$$

$$22 : 4 = 5 \text{ R } 2$$

$$39 : 9 = 4 \text{ R } 3$$

$$34 : 6 = 5 \text{ R } 4$$

$$6 : 3 = 2$$

$$20 : 4 = 5$$

$$36 : 9 = 4$$

$$30 : 6 = 5$$

$$15 : 2 = 7 \text{ R } 1$$

$$12 : 5 = 2 \text{ R } 2$$

$$69 : 8 = 8 \text{ R } 5$$

$$94 : 10 = 9 \text{ R } 4$$

$$14 : 2 = 7$$

$$10 : 5 = 2$$

$$64 : 8 = 8$$

$$90 : 10 = 9$$

$$19 : 6 = 3 \text{ R } 1$$

$$23 : 7 = 3 \text{ R } 2$$

$$30 : 9 = 3 \text{ R } 3$$

$$27 : 6 = 4 \text{ R } 3$$

$$18 : 6 = 3$$

$$21 : 7 = 3$$

$$27 : 9 = 3$$

$$24 : 6 = 4$$

$$18 : 5 = 3 \text{ R } 3$$

$$30 : 8 = 3 \text{ R } 6$$

$$53 : 7 = 7 \text{ R } 4$$

$$52 : 10 = 5 \text{ R } 2$$

$$15 : 5 = 3$$

$$24 : 8 = 3$$

$$49 : 7 = 7$$

$$50 : 10 = 5$$

1	$10 : 2 = 5 \text{ R } 0$	$40 : 8 = 5 \text{ R } 0$	$18 : 9 = 2 \text{ R } 0$	$30 : 6 = 5 \text{ R } 0$
	$11 : 2 = 5 \text{ R } 1$	$42 : 8 = 5 \text{ R } 2$	$20 : 9 = 2 \text{ R } 2$	$33 : 6 = 5 \text{ R } 3$
	$12 : 2 = 6 \text{ R } 0$	$44 : 8 = 5 \text{ R } 4$	$22 : 9 = 2 \text{ R } 4$	$36 : 6 = 6 \text{ R } 0$
	$13 : 2 = 6 \text{ R } 1$	$46 : 8 = 5 \text{ R } 6$	$24 : 9 = 2 \text{ R } 6$	$39 : 6 = 6 \text{ R } 3$
	$14 : 2 = 7 \text{ R } 0$	$48 : 8 = 6 \text{ R } 0$	$26 : 9 = 2 \text{ R } 8$	$42 : 6 = 7 \text{ R } 0$

2	$13 : 2 = 6 \text{ R } 1$	$23 : 3 = 7 \text{ R } 2$	$37 : 9 = 4 \text{ R } 1$	$49 : 5 = 9 \text{ R } 4$
	$13 : 3 = 4 \text{ R } 1$	$23 : 4 = 5 \text{ R } 3$	$37 : 8 = 4 \text{ R } 5$	$49 : 6 = 8 \text{ R } 1$
	$13 : 4 = 3 \text{ R } 1$	$23 : 5 = 4 \text{ R } 3$	$37 : 7 = 5 \text{ R } 2$	$49 : 7 = 7 \text{ R } 0$
	$13 : 5 = 2 \text{ R } 3$	$23 : 6 = 3 \text{ R } 5$	$37 : 6 = 6 \text{ R } 1$	$49 : 8 = 6 \text{ R } 1$
	$13 : 6 = 2 \text{ R } 1$	$23 : 7 = 3 \text{ R } 2$	$37 : 5 = 7 \text{ R } 2$	$49 : 9 = 5 \text{ R } 4$

3	$13 : 4 = 3 \text{ R } 1$	$27 : 5 = 5 \text{ R } 2$	$68 : 7 = 9 \text{ R } 5$	$58 : 6 = 9 \text{ R } 4$
	$37 : 4 = 9 \text{ R } 1$	$38 : 5 = 7 \text{ R } 3$	$10 : 7 = 1 \text{ R } 3$	$14 : 6 = 2 \text{ R } 2$
	$14 : 4 = 3 \text{ R } 2$	$42 : 5 = 8 \text{ R } 2$	$24 : 7 = 3 \text{ R } 3$	$27 : 6 = 4 \text{ R } 3$
	$23 : 4 = 5 \text{ R } 3$	$18 : 5 = 3 \text{ R } 3$	$58 : 7 = 8 \text{ R } 2$	$20 : 6 = 3 \text{ R } 2$

1



1 €



2 €



5 €



10 €



20 €



50 €

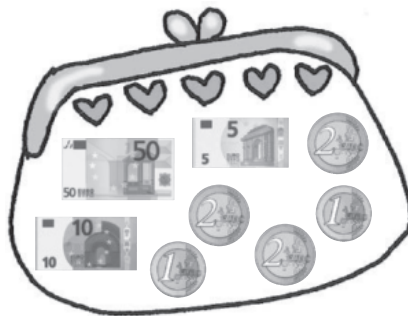


100 €

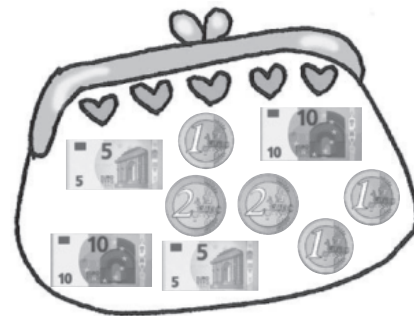
2



39 €

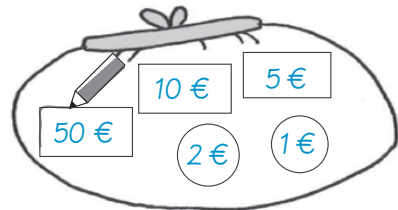


73 €

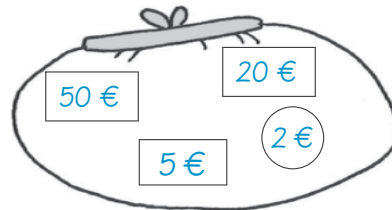


37 €

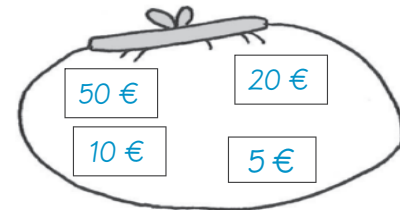
3



68 €



77 €



85 €

1



1 ct



2 ct



5 ct



10 ct



20 ct



50 ct

2



69 ct

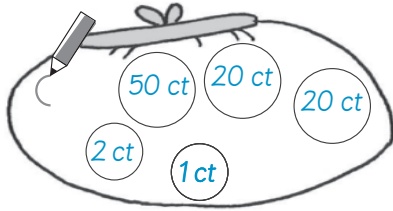


1 € 66 ct

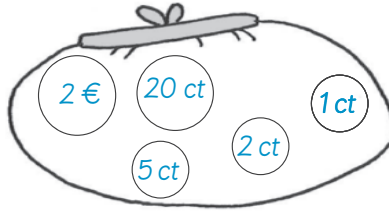


3 € 30 ct

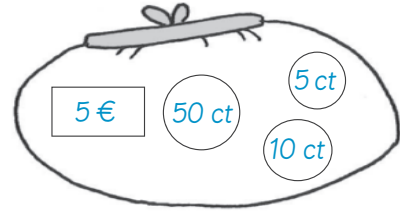
3



93 ct



2 € 28 ct



5 € 65 ct

1

$20 \text{ ct} + 30 \text{ ct} = 50 \text{ ct}$

$20 \text{ ct} + 7 \text{ ct} = 27 \text{ ct}$

$22 \text{ ct} + 33 \text{ ct} = 55 \text{ ct}$

$10 \text{ ct} + 70 \text{ ct} = 80 \text{ ct}$

$50 \text{ ct} + 9 \text{ ct} = 59 \text{ ct}$

$47 \text{ ct} + 12 \text{ ct} = 59 \text{ ct}$

$40 \text{ ct} + 50 \text{ ct} = 90 \text{ ct}$

$8 \text{ ct} + 90 \text{ ct} = 98 \text{ ct}$

$65 \text{ ct} + 25 \text{ ct} = 90 \text{ ct}$

2

$20 \text{ ct} + 30 \text{ ct} = 50 \text{ ct}$

$50 \text{ ct} + 25 \text{ ct} = 75 \text{ ct}$

$50 \text{ ct} + 50 \text{ ct} = 1 \text{ €}$

$45 \text{ ct} + 5 \text{ ct} = 50 \text{ ct}$

$72 \text{ ct} + 3 \text{ ct} = 75 \text{ ct}$

$75 \text{ ct} + 25 \text{ ct} = 1 \text{ €}$

$33 \text{ ct} + 17 \text{ ct} = 50 \text{ ct}$

$65 \text{ ct} + 10 \text{ ct} = 75 \text{ ct}$

$93 \text{ ct} + 7 \text{ ct} = 1 \text{ €}$

3

$2 \text{ € } 40 \text{ ct} + 60 \text{ ct} = 3 \text{ €}$

$7 \text{ € } 95 \text{ ct} + 5 \text{ ct} = 8 \text{ €}$

$3 \text{ € } 75 \text{ ct} + 25 \text{ ct} = 4 \text{ €}$

$4 \text{ € } 70 \text{ ct} + 30 \text{ ct} = 5 \text{ €}$

$6 \text{ € } 98 \text{ ct} + 2 \text{ ct} = 7 \text{ €}$

$1 \text{ € } 85 \text{ ct} + 15 \text{ ct} = 2 \text{ €}$

$5 \text{ € } 90 \text{ ct} + 10 \text{ ct} = 6 \text{ €}$

$8 \text{ € } 94 \text{ ct} + 6 \text{ ct} = 9 \text{ €}$

$2 \text{ € } 55 \text{ ct} + 45 \text{ ct} = 3 \text{ €}$

4

$3 \text{ €} + 2 \text{ € } 50 \text{ ct} = 5 \text{ € } 50 \text{ ct}$

$4 \text{ € } 50 \text{ ct} + 3 \text{ €} = 7 \text{ € } 50 \text{ ct}$

$4 \text{ €} + 5 \text{ € } 25 \text{ ct} = 9 \text{ € } 25 \text{ ct}$

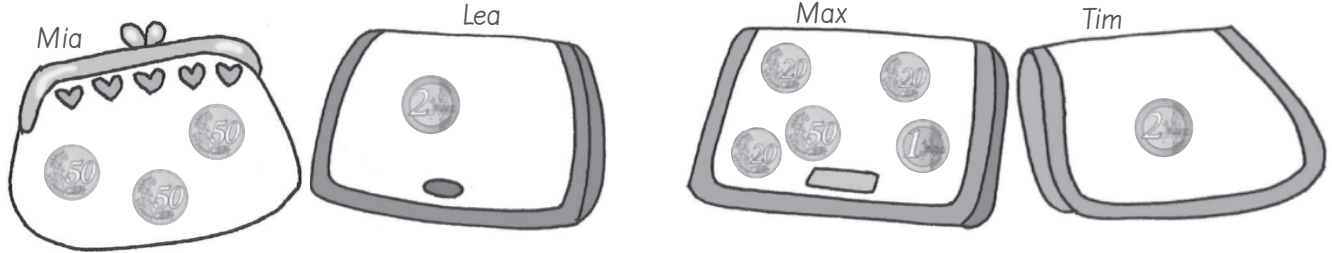
$12 \text{ € } 35 \text{ ct} + 5 \text{ €} = 17 \text{ € } 35 \text{ ct}$

$2 \text{ €} + 7 \text{ € } 93 \text{ ct} = 9 \text{ € } 93 \text{ ct}$

$7 \text{ € } 74 \text{ ct} + 3 \text{ €} = 10 \text{ € } 74 \text{ ct}$



1 Wer hat mehr Geld?



1 € 50 ct

2 €

2 € 10 ct

2 €

Lea hat mehr Geld als Mia.

Max hat mehr Geld als Tim.

2 Größer, kleiner oder gleich?

20 ct < 2 €

2 € > 1 € 30 ct

3 € 46 ct < 5 € 35 ct

1 € > 2 ct

5 € < 5 € 4 ct

6 € 25 ct > 2 € 25 ct

100 ct = 1 €

3 € > 2 € 99 ct

10 € 31 ct > 3 € 78 ct

3 Ordne die Geldbeträge. Beginne mit dem kleinsten.

50 € 5 ct 1 € 50 ct 1 € 5 ct 50 ct 15 ct 5 €

5 ct < 15 ct < 50 ct < 1 € 5 ct < 1 € 50 ct < 5 € < 50 €

1



5 Minuten



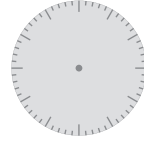
15 Minuten



30 Minuten



45 Minuten



60 Minuten

2

6:15 morgens
oder
18:15 abends.

6:15 Uhr

18:15 Uhr



9:15 Uhr

21:15 Uhr



10:15 Uhr

22:15 Uhr



2:05 Uhr

14:05 Uhr



8:35 Uhr

20:35 Uhr

3



8:30 Uhr

20:30 Uhr



4:45 Uhr

16:45 Uhr



2:10 Uhr

14:10 Uhr



3:25 Uhr

15:25 Uhr



11:40 Uhr

23:40 Uhr



5:20 Uhr

17:20 Uhr

1



9:40 Uhr $\xrightarrow{20 \text{ min}}$ 10 Uhr



19:15 Uhr $\xrightarrow{45 \text{ min}}$ 20 Uhr



17:35 Uhr $\xrightarrow{25 \text{ min}}$ 18 Uhr



14:55 Uhr $\xrightarrow{5 \text{ min}}$ 3 Uhr



2

14 Uhr $\xrightarrow{60 \text{ min}}$ 15 Uhr

19:15 Uhr $\xrightarrow{45 \text{ min}}$ 20 Uhr

18:30 Uhr $\xrightarrow{30 \text{ min}}$ 19 Uhr

8:45 Uhr $\xrightarrow{15 \text{ min}}$ 9 Uhr

5:20 Uhr $\xrightarrow{40 \text{ min}}$ 6 Uhr

3

15:50 Uhr $\xrightarrow{10 \text{ min}}$ 16 Uhr

3:30 Uhr $\xrightarrow{30 \text{ min}}$ 4 Uhr

22:05 Uhr $\xrightarrow{55 \text{ min}}$ 23 Uhr

7:35 Uhr $\xrightarrow{25 \text{ min}}$ 8 Uhr

21:10 Uhr $\xrightarrow{50 \text{ min}}$ 22 Uhr



1



2



Juli 2017						
Mo	Di	Mi	Do	Fr	Sa	So
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

1	gestern	heute	morgen	gestern	heute	morgen
	Mittwoch	Donnerstag	Freitag	Sonntag	Montag	Dienstag
	Freitag	Samstag	Sonntag	Freitag	Samstag	Sonntag
	Montag	Dienstag	Mittwoch	Montag	Dienstag	Mittwoch
	Samstag	Sonntag	Montag	Dienstag	Mittwoch	Donnerstag

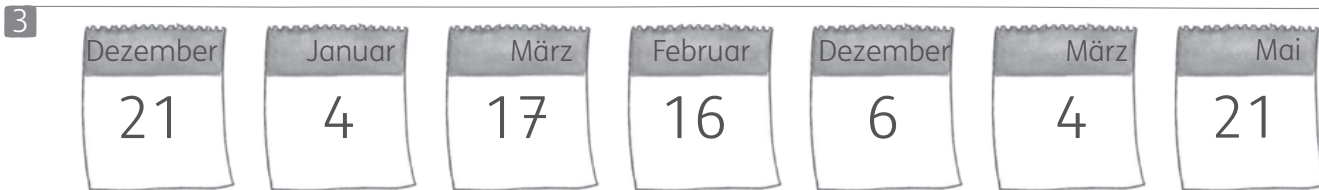
2 Ordne.



Mai ist der
5. Monat.



1. März, 4. März, 13. März, 18. März, 20. März, 25. März



4. Januar, 16. Februar, 4. März, 17. März, 21. Mai, 6. Dezember, 21. Dezember

- 1 Miss die Strecken. Welcher Weg ist der kürzeste?



- 2
- | | | |
|---|--|---|
| $8 \text{ cm} + 6 \text{ cm} = 14 \text{ cm}$ | $57 \text{ cm} + 8 \text{ cm} = 65 \text{ cm}$ | $10 \text{ cm} + 40 \text{ cm} = 50 \text{ cm}$ |
| $7 \text{ cm} + 5 \text{ cm} = 12 \text{ cm}$ | $23 \text{ cm} + 9 \text{ cm} = 32 \text{ cm}$ | $50 \text{ cm} + 0 \text{ cm} = 50 \text{ cm}$ |
| $9 \text{ cm} + 4 \text{ cm} = 13 \text{ cm}$ | $35 \text{ cm} + 7 \text{ cm} = 42 \text{ cm}$ | $40 \text{ cm} + 10 \text{ cm} = 50 \text{ cm}$ |
| $9 \text{ cm} + 7 \text{ cm} = 16 \text{ cm}$ | $9 \text{ cm} + 8 \text{ cm} = 15 \text{ cm}$ | $20 \text{ cm} + 30 \text{ cm} = 50 \text{ cm}$ |

1

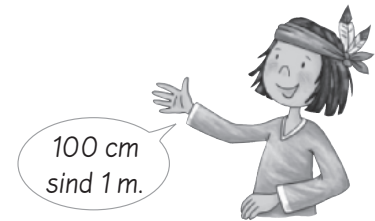
$9 \text{ cm} - 8 \text{ cm} = 1 \text{ cm}$	$94 \text{ cm} - 9 \text{ cm} = 85 \text{ cm}$	$25 \text{ cm} - 9 \text{ cm} = 16 \text{ cm}$
$7 \text{ cm} - 4 \text{ cm} = 3 \text{ cm}$	$77 \text{ cm} - 2 \text{ cm} = 75 \text{ cm}$	$32 \text{ cm} - 8 \text{ cm} = 24 \text{ cm}$
$8 \text{ cm} - 3 \text{ cm} = 5 \text{ cm}$	$41 \text{ cm} - 5 \text{ cm} = 36 \text{ cm}$	$42 \text{ cm} - 7 \text{ cm} = 35 \text{ cm}$

2

$5 \text{ cm} + 5 \text{ cm} = 10 \text{ cm}$	$9 \text{ cm} + 1 \text{ cm} = 10 \text{ cm}$	$3 \text{ cm} + 7 \text{ cm} = 10 \text{ cm}$
$10 \text{ cm} + 0 \text{ cm} = 10 \text{ cm}$	$8 \text{ cm} + 2 \text{ cm} = 10 \text{ cm}$	$6 \text{ cm} + 4 \text{ cm} = 10 \text{ cm}$
$2 \text{ cm} + 8 \text{ cm} = 10 \text{ cm}$	$7 \text{ cm} + 3 \text{ cm} = 10 \text{ cm}$	$4 \text{ cm} + 6 \text{ cm} = 10 \text{ cm}$

3

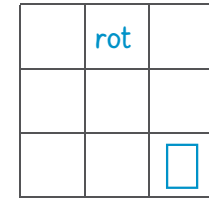
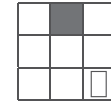
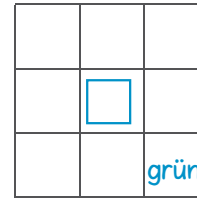
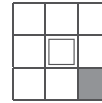
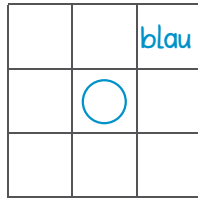
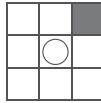
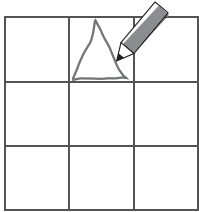
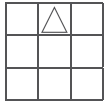
$20 \text{ cm} + 80 \text{ cm} = 1 \text{ m}$	$80 \text{ cm} + 20 \text{ cm} = 1 \text{ m}$
$50 \text{ cm} + 50 \text{ cm} = 1 \text{ m}$	$100 \text{ cm} + 0 \text{ cm} = 1 \text{ m}$
$90 \text{ cm} + 10 \text{ cm} = 1 \text{ m}$	$30 \text{ cm} + 70 \text{ cm} = 1 \text{ m}$
$10 \text{ cm} + 90 \text{ cm} = 1 \text{ m}$	$60 \text{ cm} + 40 \text{ cm} = 1 \text{ m}$



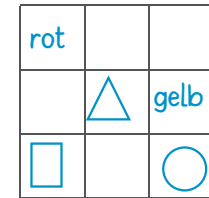
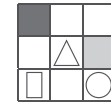
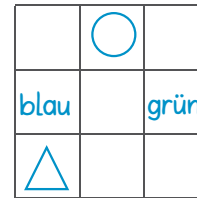
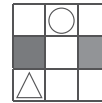
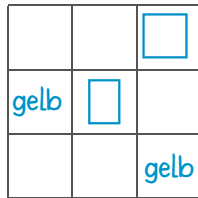
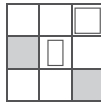
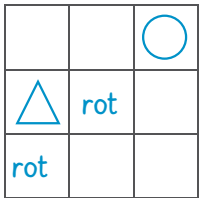
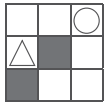
4

$46 \text{ m} + 32 \text{ m} = 78 \text{ m}$	$83 \text{ m} - 12 \text{ m} = 71 \text{ m}$	$48 \text{ m} + 2 \text{ m} = 50 \text{ m}$
$12 \text{ m} + 58 \text{ m} = 70 \text{ m}$	$69 \text{ m} - 43 \text{ m} = 26 \text{ m}$	$64 \text{ m} + 6 \text{ m} = 70 \text{ m}$

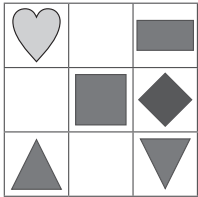
1 Zeichne ab.



2



1 Was liegt an welcher Stelle?



links oben



rechts oben



in der Mitte



links unten



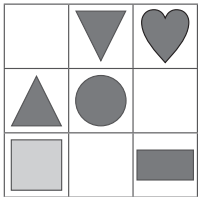
rechts unten



in der Mitte rechts



2



rechts unten



in der Mitte links



in der Mitte



links unten



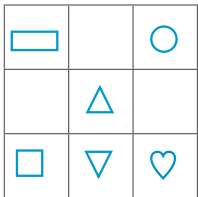
rechts oben



in der Mitte oben



3



in der Mitte



rechts unten



rechts oben



links oben



links unten

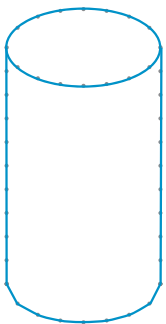


in der Mitte unten

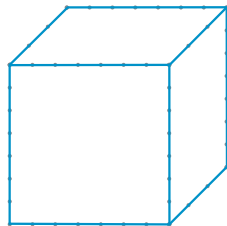


Lage erkennen

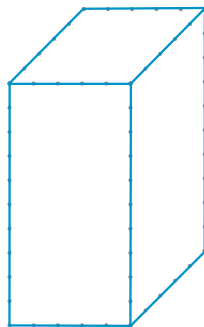
1 Welchen Körper erhältst du? Verbinde. Schreibe den Namen auf.



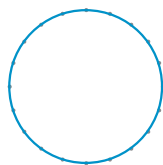
Zylinder



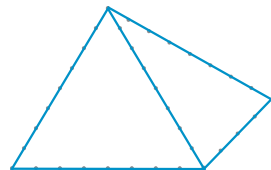
Würfel



Quader

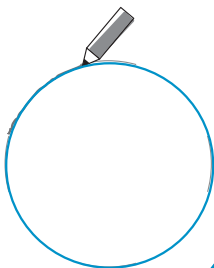


Kugel

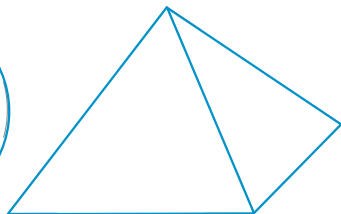


Pyramide

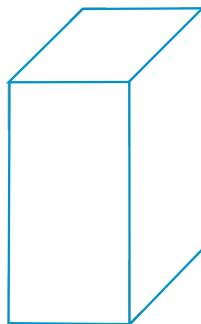
2 Verbinde passend.



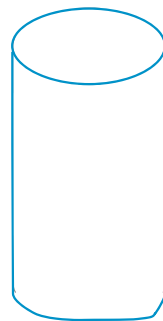
Kugel



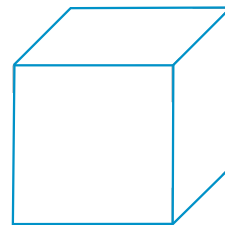
Pyramide



Quader

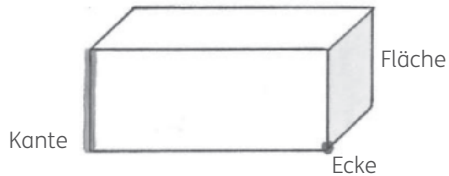


Zylinder



Würfel

Ergänze die Steckbriefe.



Name: **Würfel**


Anzahl der Ecken: **8**

Anzahl der Kanten: **12**

Anzahl der Flächen: **6**

Kann rollen: **nein**

Kann kippen: **ja**



Name: **Quader**


Anzahl der Ecken: **8**

Anzahl der Kanten: **12**

Anzahl der Flächen: **6**

Kann rollen: **nein**

Kann kippen: **ja**



Name: **Pyramide**


Anzahl der Ecken: **5**

Anzahl der Kanten: **8**

Anzahl der Flächen: **5**

Kann rollen: **nein**

Kann kippen: **ja**



Name: **Zylinder**


Anzahl der Ecken: **0**

Anzahl der Kanten: **2**

Anzahl der Flächen: **3**

Kann rollen: **ja**

Kann kippen: **ja**



Name: **Kugel**

Anzahl der Ecken: **0**

Anzahl der Kanten: **0**

Anzahl der Flächen: **1**

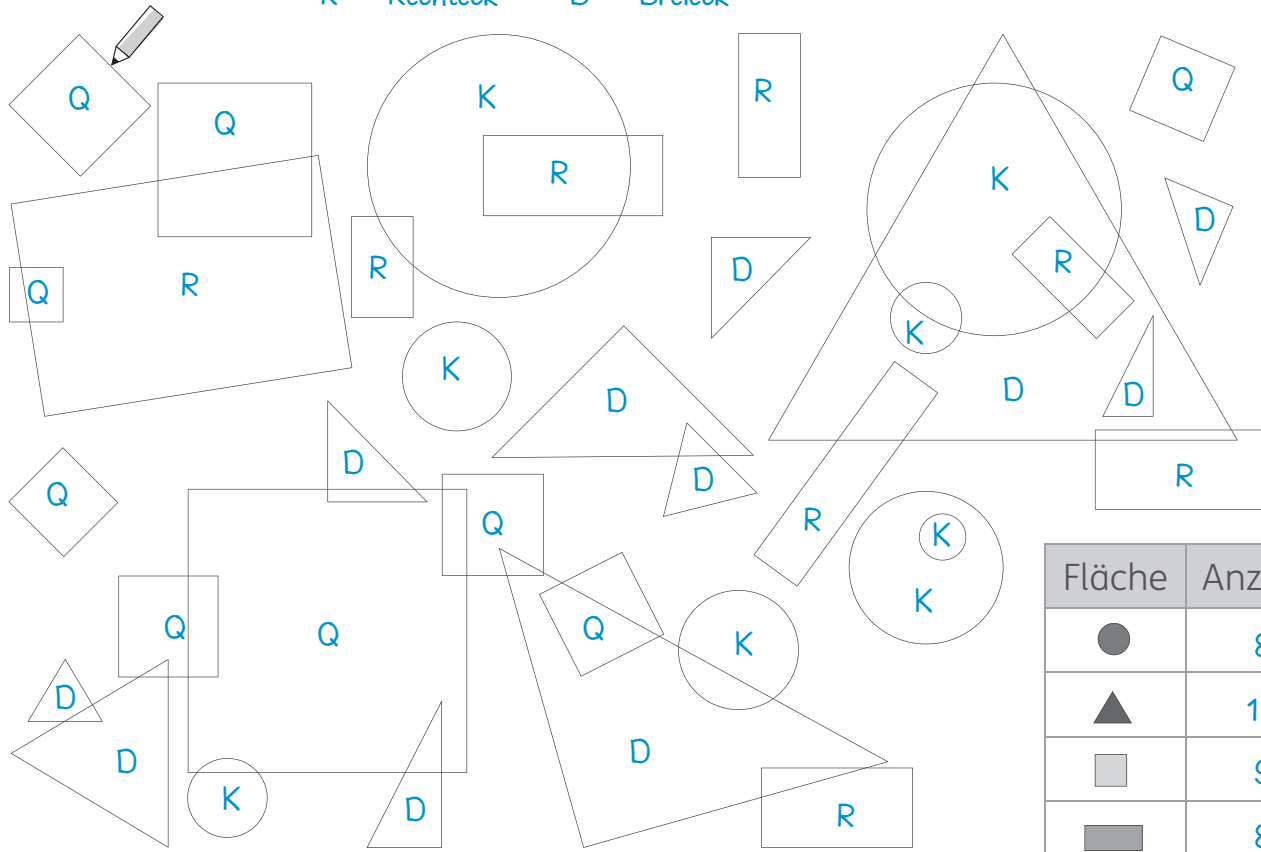
Kann rollen: **ja**

Kann kippen: **nein**

Eigenschaften von Körpern

Male aus. Zähle.

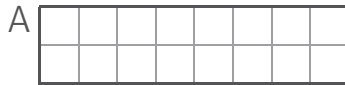
Q = Quadrat
R = Rechteck
K = Kugel
D = Dreieck



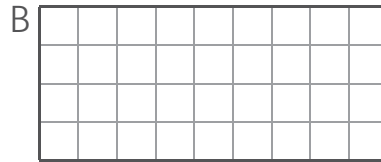
Fläche	Anzahl
	8
	11
	9
	8

Wie viele Kästchen haben die Rechtecke? Schätze zuerst.
Überlege geschickt. Welches Rechteck ist am größten?

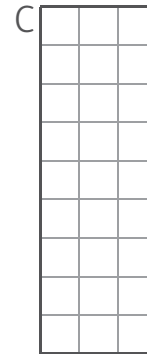
Zähle die Kästchen.
Schreibe Malaufgaben.



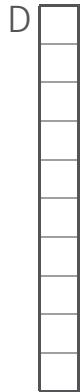
$$2 \cdot 8 = 16$$



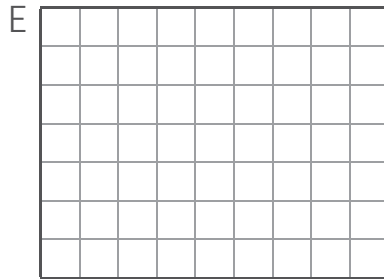
$$4 \cdot 9 = 36$$



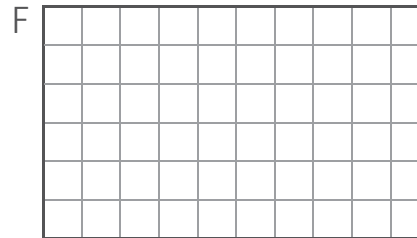
$$9 \cdot 3 = 27$$



$$10 \cdot 1 = 10$$



$$7 \cdot 9 = 63$$

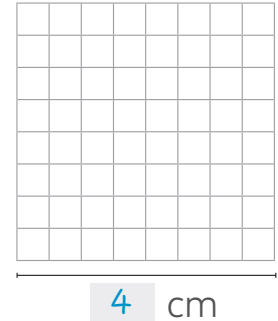
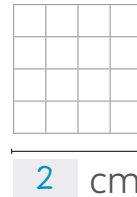
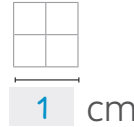
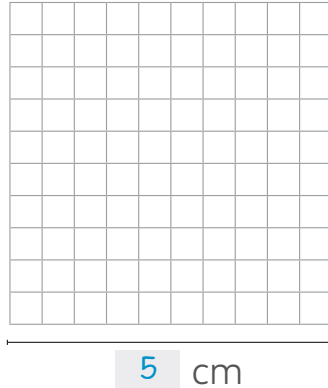
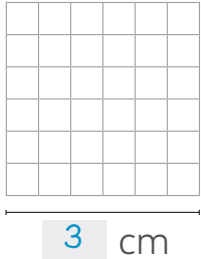


$$6 \cdot 10 = 60$$

Rechtecke

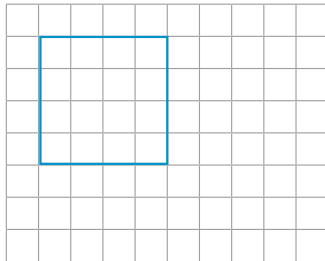
Das Rechteck **E** ist am größten.

1 Miss die Seitenlängen der Quadrate.

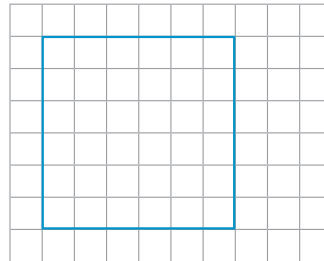


2 Zeichne Quadrate mit den Seitenlängen 2 cm, 3 cm und 4 cm.

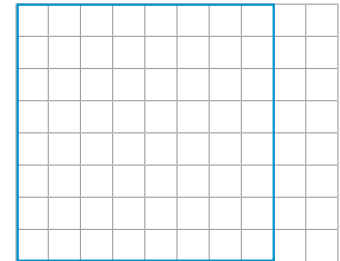
2 cm



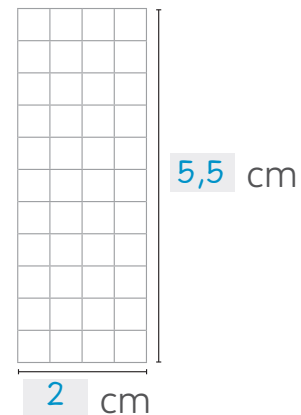
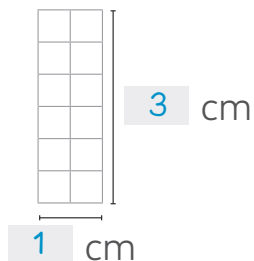
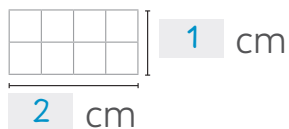
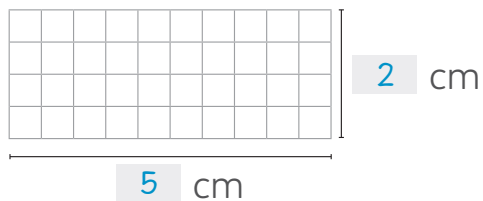
3 cm



4 cm

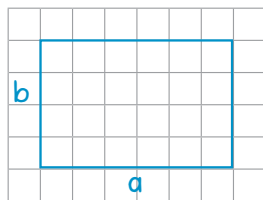


1 Miss die Seitenlängen der Rechtecke.

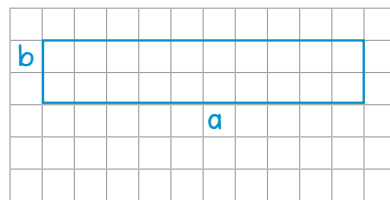


2 Zeichne die Rechtecke.

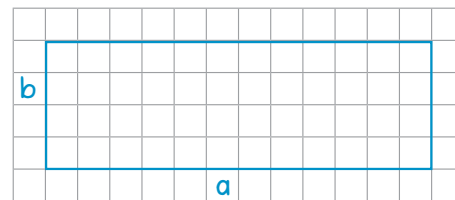
$a = 3$ cm
 $b = 2$ cm



$a = 5$ cm
 $b = 1$ cm



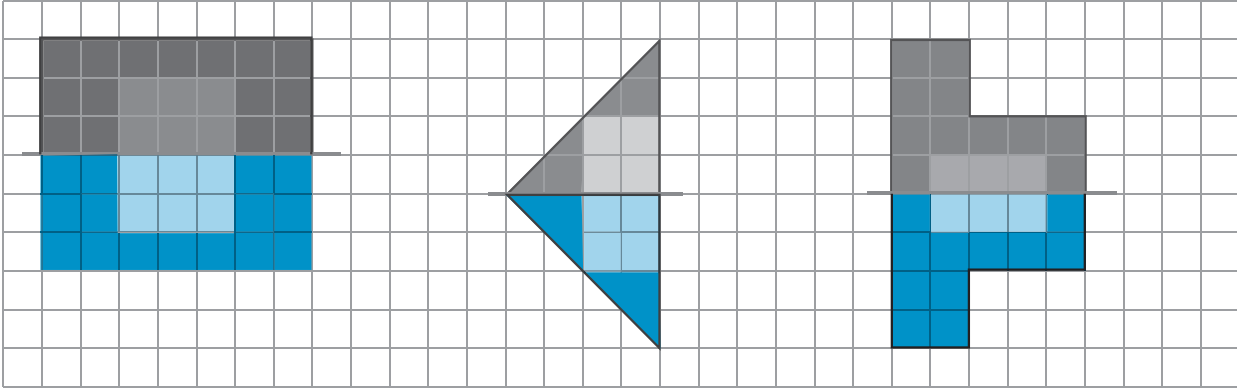
$a = 6$ cm
 $b = 2$ cm



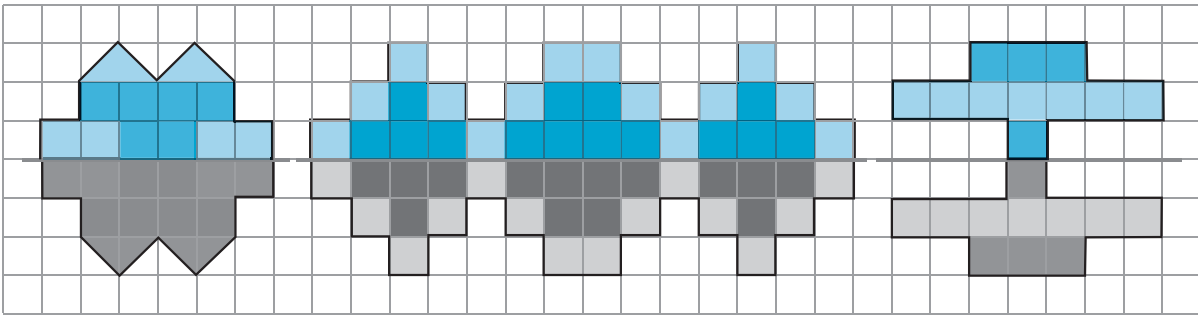
Rechtecke messen und zeichnen



1 Zeichne die Spiegelbilder.



2



Spiegeln

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Entstanden in Zusammenarbeit mit dem Projektteam des Verlages.

Layoutkonzeption: know idea gmbh, Freiburg

Illustrationen: Angelika Citak, Wipperfurth; Oliver Eger, Langerringen; Anke Fröhlich, Leipzig; Gisela Fuhrmann, Hannover; Friederike Schumann, Berlin; Wolfgang Slawski, Kiel; Hela Woernle, Hannover

Umschlagillustration: Anke Fröhlich, Leipzig

Druck: Medienhaus Plump GmbH, Rheinbreitbach

Printed in Germany
ISBN 978-3-12-162126-2



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ISBN: 978-3-12-162127-9

ISBN 978-3-12-**162126-2**



9 783121 621262