



# Verstehen und Trainieren 4

## Grundaufgaben zum Zahlenbuch

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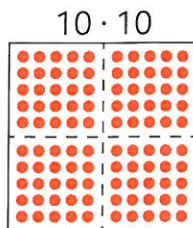
Ernst Klett Verlag  
Stuttgart · Leipzig



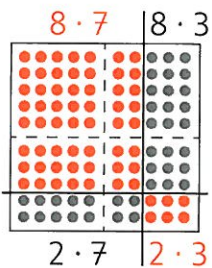
## Einmaleins am Malkreuz

Bei einem Malkreuz stehen in den inneren Feldern die Ergebnisse der Malaufgaben. Daneben stehen die Zeilensummen, darunter die Gesamtsumme.

Eine große  
Malaufgabe:



Vier kleine  
Malaufgaben:



Malkreuz:

| . | 7  | 3  |     |
|---|----|----|-----|
| 8 | 56 | 24 | 80  |
| 2 | 14 | 6  | 20  |
|   |    |    | 100 |

Summe 1. Zeile  
Summe 2. Zeile  
Gesamtsumme

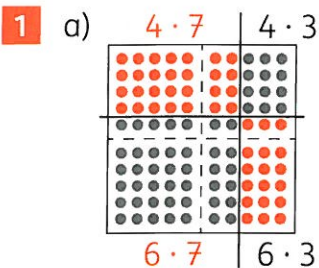


Kleine Malaufgaben:

$$\begin{aligned} 8 \cdot 7 &= 56 & 8 \cdot 3 &= 24 \\ 2 \cdot 7 &= 14 & 2 \cdot 3 &= 6 \end{aligned}$$

Malkreuz:

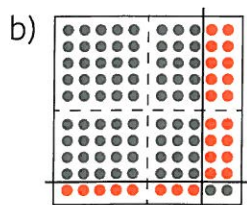
$$\begin{aligned} \text{Summe 1. Zeile: } & 56 + 24 = 80 \\ \text{Summe 2. Zeile: } & 14 + 6 = 20 \\ \text{Gesamtsumme: } & 80 + 20 = 100 \end{aligned}$$



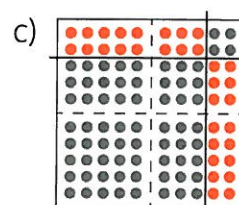
| . | 7  | 3  |     |
|---|----|----|-----|
| 4 | 28 | 12 | 40  |
| 6 | 42 | 18 | 60  |
|   |    |    | 100 |

Überprüfe:

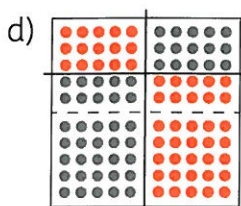
Alle Zeilensummen sind Zehnerzahlen.  
Die Summe aller vier Einmaleinszahlen  
muss 100 ergeben.



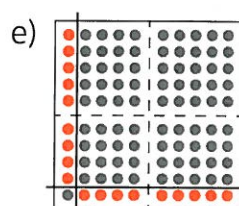
| . | 8  | 2  |     |
|---|----|----|-----|
| 9 | 72 | 18 | 90  |
| 1 | 8  | 2  | 10  |
|   |    |    | 100 |



| . | 8  | 2  |     |
|---|----|----|-----|
| 2 | 16 | 4  | 20  |
| 8 | 64 | 16 | 80  |
|   |    |    | 100 |



| . | 5  | 5  |     |
|---|----|----|-----|
| 3 | 15 | 15 | 30  |
| 7 | 35 | 35 | 70  |
|   |    |    | 100 |



| . | 1 | 9  |     |
|---|---|----|-----|
| 9 | 9 | 81 | 90  |
| 1 | 1 | 9  | 10  |
|   |   |    | 100 |



- 2 Überprüfe bei jeder Aufgabe:  
 Alle Zeilensummen sind Zehnerzahlen.  
 Die Summe aller vier Einmaleinszahlen ergibt immer 100.

a)

| . | 7  | 3  |     |
|---|----|----|-----|
| 7 | 49 | 21 | 70  |
| 3 | 21 | 9  | 30  |
|   |    |    | 100 |

b)

| . | 4  | 6  |     |
|---|----|----|-----|
| 4 | 16 | 24 | 40  |
| 6 | 24 | 36 | 60  |
|   |    |    | 100 |

c)

| . | 6  | 4  |     |
|---|----|----|-----|
| 5 | 30 | 20 | 50  |
| 5 | 30 | 20 | 50  |
|   |    |    | 100 |

d)

| . | 5  | 5  |     |
|---|----|----|-----|
| 8 | 40 | 40 | 80  |
| 2 | 10 | 10 | 20  |
|   |    |    | 100 |

e)

| . | 7  | 3  |     |
|---|----|----|-----|
| 2 | 14 | 6  | 20  |
| 8 | 56 | 24 | 80  |
|   |    |    | 100 |

f)

| . | 6  | 4  |     |
|---|----|----|-----|
| 1 | 6  | 4  | 10  |
| 9 | 54 | 36 | 90  |
|   |    |    | 100 |

g)

| .  | 3  | 7  |     |
|----|----|----|-----|
| 0  | 0  | 0  | 0   |
| 10 | 30 | 70 | 100 |
|    |    |    | 100 |

h)

| . | 9  | 1 |     |
|---|----|---|-----|
| 7 | 63 | 7 | 70  |
| 3 | 27 | 3 | 30  |
|   |    |   | 100 |

i)

| . | 5  | 5  |     |
|---|----|----|-----|
| 1 | 5  | 5  | 10  |
| 9 | 45 | 45 | 90  |
|   |    |    | 100 |

j)

| . | 5  | 5  |     |
|---|----|----|-----|
| 5 | 25 | 25 | 50  |
| 5 | 25 | 25 | 50  |
|   |    |    | 100 |

k)

| . | 10 | 0 |     |
|---|----|---|-----|
| 4 | 40 | 0 | 40  |
| 6 | 60 | 0 | 60  |
|   |    |   | 100 |

l)

| .  | 0 | 10  |     |
|----|---|-----|-----|
| 10 | 0 | 100 | 100 |
| 0  | 0 | 0   | 0   |
|    |   |     | 100 |

m)

| . | 6  | 4  |     |
|---|----|----|-----|
| 8 | 48 | 32 | 80  |
| 2 | 12 | 8  | 20  |
|   |    |    | 100 |

n)

| . | 7  | 3  |     |
|---|----|----|-----|
| 1 | 7  | 3  | 10  |
| 9 | 63 | 27 | 90  |
|   |    |    | 100 |

o)

| . | 5  | 5  |     |
|---|----|----|-----|
| 6 | 30 | 30 | 60  |
| 4 | 20 | 20 | 40  |
|   |    |    | 100 |



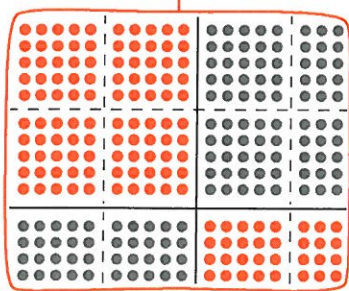


## Vom Vierhunderterfeld zum Malkreuz

1 Eine große Malaufgabe:

a)

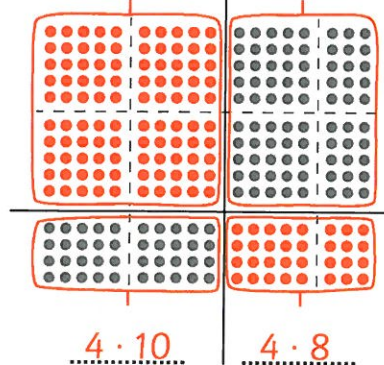
$$14 \cdot 18$$



Vier kleine Malaufgaben:

$$10 \cdot 10$$

$$10 \cdot 8$$



$$4 \cdot 10$$

$$4 \cdot 8$$

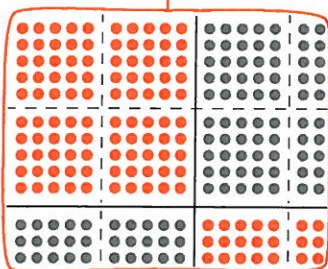
Malkreuz:

| ·  | 10  | 8  |     |
|----|-----|----|-----|
| 10 | 100 | 80 | 180 |
| 4  | 40  | 32 | 72  |
|    |     |    | 252 |

$$14 \cdot 18 = 252$$

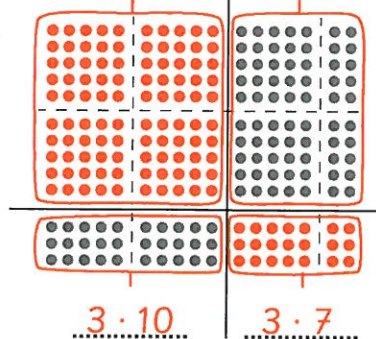
b)

$$13 \cdot 17$$



$$10 \cdot 10$$

$$10 \cdot 7$$



$$3 \cdot 10$$

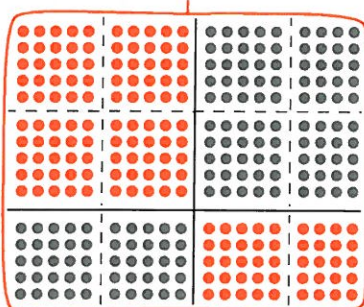
$$3 \cdot 7$$

| ·  | 10  | 7  |     |
|----|-----|----|-----|
| 10 | 100 | 70 | 170 |
| 3  | 30  | 21 | 51  |
|    |     |    | 221 |

$$13 \cdot 17 = 221$$

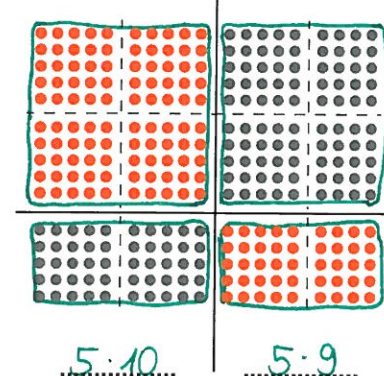
c)

$$15 \cdot 19$$



$$10 \cdot 10$$

$$10 \cdot 9$$



$$5 \cdot 10$$

$$5 \cdot 9$$

| ·  | 10  | 9  |     |
|----|-----|----|-----|
| 10 | 100 | 90 | 190 |
| 5  | 50  | 45 | 95  |
|    |     |    | 285 |

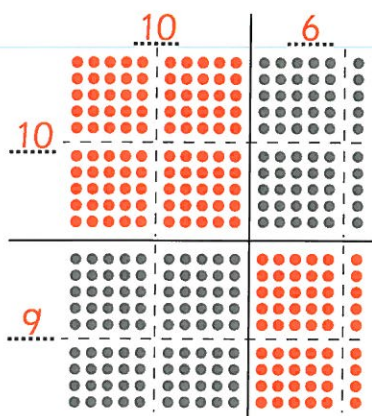
$$15 \cdot 19 = 285$$





2 a)

$19 \cdot 16$

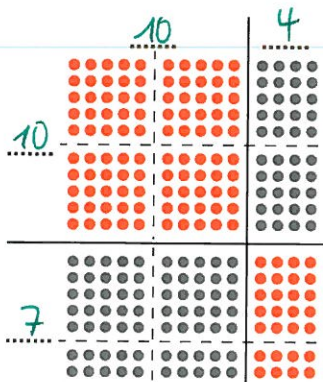


| .  | 10  | 6  |     |
|----|-----|----|-----|
| 10 | 100 | 60 | 160 |
| 9  | 90  | 54 | 144 |
|    |     |    | 304 |

$19 \cdot 16 = 304$

b)

$17 \cdot 14$

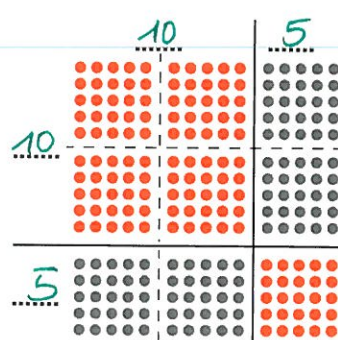


| .  | 10  | 4  |     |
|----|-----|----|-----|
| 10 | 100 | 40 | 140 |
| 7  | 70  | 28 | 98  |
|    |     |    | 238 |

$17 \cdot 14 = 238$

c)

$15 \cdot 15$

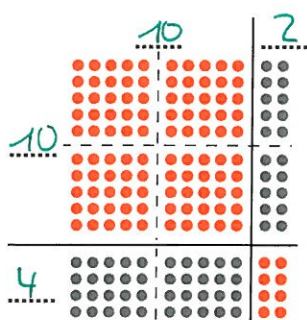


| .  | 10  | 5  |     |
|----|-----|----|-----|
| 10 | 100 | 50 | 150 |
| 5  | 50  | 25 | 75  |
|    |     |    | 225 |

$15 \cdot 15 = 225$

d)

$14 \cdot 12$

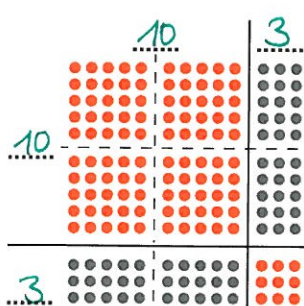


| .  | 10  | 2  |     |
|----|-----|----|-----|
| 10 | 100 | 20 | 120 |
| 4  | 40  | 8  | 48  |
|    |     |    | 168 |

$14 \cdot 12 = 168$

e)

$13 \cdot 13$



| .  | 10  | 3  |     |
|----|-----|----|-----|
| 10 | 100 | 30 | 130 |
| 3  | 30  | 9  | 39  |
|    |     |    | 169 |

$13 \cdot 13 = 169$

f)

$11 \cdot 16$



| .  | 10  | 6  |     |
|----|-----|----|-----|
| 10 | 100 | 60 | 160 |
| 1  | 10  | 6  | 16  |
|    |     |    | 176 |

$11 \cdot 16 = 176$



## Multiplizieren mit dem Malkreuz

Rechne am Malkreuz.

1 a)  $14 \cdot 15 = \underline{210}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 5  |     |
| 10 | 100 | 50 | 150 |
| 4  | 40  | 20 | 60  |
|    |     |    | 210 |

b)  $17 \cdot 12 = \underline{204}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 2  |     |
| 10 | 100 | 20 | 120 |
| 7  | 70  | 14 | 84  |
|    |     |    | 204 |

c)  $12 \cdot 19 = \underline{228}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 9  |     |
| 10 | 100 | 90 | 190 |
| 2  | 20  | 18 | 38  |
|    |     |    | 228 |

2 a)  $18 \cdot 11 = \underline{198}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 1  |     |
| 10 | 100 | 10 | 110 |
| 8  | 80  | 8  | 88  |
|    |     |    | 198 |

b)  $14 \cdot 15 = \underline{210}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 5  |     |
| 10 | 100 | 50 | 150 |
| 4  | 40  | 20 | 60  |
|    |     |    | 210 |

c)  $16 \cdot 14 = \underline{224}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 4  |     |
| 10 | 100 | 40 | 140 |
| 6  | 60  | 24 | 84  |
|    |     |    | 224 |

3 a)  $17 \cdot 17 = \underline{289}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 7  |     |
| 10 | 100 | 70 | 170 |
| 7  | 70  | 49 | 119 |
|    |     |    | 289 |

b)  $16 \cdot 18 = \underline{288}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 8  |     |
| 10 | 100 | 80 | 180 |
| 6  | 60  | 48 | 108 |
|    |     |    | 288 |

c)  $13 \cdot 14 = \underline{182}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 4  |     |
| 10 | 100 | 40 | 140 |
| 3  | 30  | 12 | 42  |
|    |     |    | 182 |

4 a)  $19 \cdot 12 = \underline{228}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 2  |     |
| 10 | 100 | 20 | 120 |
| 9  | 90  | 18 | 108 |
|    |     |    | 228 |

b)  $18 \cdot 14 = \underline{252}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 4  |     |
| 10 | 100 | 40 | 140 |
| 8  | 80  | 32 | 112 |
|    |     |    | 252 |

c)  $19 \cdot 16 = \underline{304}$

|    |     |    |     |
|----|-----|----|-----|
| ·  | 10  | 6  |     |
| 10 | 100 | 60 | 160 |
| 9  | 90  | 54 | 144 |
|    |     |    | 304 |

# Multiplizieren mit dem Malkreuz



Rechne am Malkreuz.

5 a)  $17 \cdot 18 = \underline{\quad 306 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 8  |     |
| 10 | 100 | 80 | 180 |
| 7  | 70  | 56 | 126 |
|    |     |    | 306 |

b)  $19 \cdot 18 = \underline{\quad 342 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 8  |     |
| 10 | 100 | 80 | 180 |
| 9  | 90  | 72 | 162 |
|    |     |    | 342 |

c)  $19 \cdot 19 = \underline{\quad 361 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 9  |     |
| 10 | 100 | 90 | 190 |
| 9  | 90  | 81 | 171 |
|    |     |    | 361 |

6 a)  $15 \cdot 17 = \underline{\quad 255 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 7  |     |
| 10 | 100 | 70 | 170 |
| 5  | 50  | 35 | 85  |
|    |     |    | 255 |

b)  $12 \cdot 19 = \underline{\quad 228 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 9  |     |
| 10 | 100 | 90 | 190 |
| 2  | 20  | 18 | 38  |
|    |     |    | 228 |

c)  $18 \cdot 12 = \underline{\quad 216 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 2  |     |
| 10 | 100 | 20 | 120 |
| 8  | 80  | 16 | 96  |
|    |     |    | 216 |

7 a)  $19 \cdot 13 = \underline{\quad 247 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 3  |     |
| 10 | 100 | 30 | 130 |
| 9  | 90  | 27 | 117 |
|    |     |    | 247 |

b)  $11 \cdot 13 = \underline{\quad 143 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 3  |     |
| 10 | 100 | 30 | 130 |
| 1  | 10  | 3  | 13  |
|    |     |    | 143 |

c)  $13 \cdot 16 = \underline{\quad 208 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 6  |     |
| 10 | 100 | 60 | 160 |
| 3  | 30  | 18 | 48  |
|    |     |    | 208 |

8 a)  $16 \cdot 16 = \underline{\quad 256 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 6  |     |
| 10 | 100 | 60 | 160 |
| 6  | 60  | 36 | 96  |
|    |     |    | 256 |

b)  $12 \cdot 12 = \underline{\quad 144 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 2  |     |
| 10 | 100 | 20 | 120 |
| 2  | 20  | 4  | 24  |
|    |     |    | 144 |

c)  $14 \cdot 14 = \underline{\quad 196 \quad}$

|    |     |    |     |
|----|-----|----|-----|
| .  | 10  | 4  |     |
| 10 | 100 | 40 | 140 |
| 4  | 40  | 16 | 56  |
|    |     |    | 196 |





## Von einfachen zu schwierigen Multiplikationsaufgaben



$$4 \cdot 36 = \underline{144}$$

$$4 \cdot 30 = \underline{120}$$

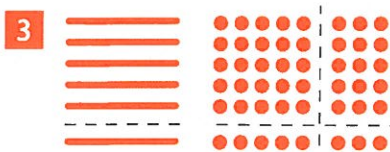
$$4 \cdot 6 = \underline{24}$$



$$5 \cdot 27 = \underline{135}$$

$$5 \cdot 20 = \underline{100}$$

$$5 \cdot 7 = \underline{35}$$



$$6 \cdot 18 = \underline{108}$$

$$6 \cdot 10 = \underline{60}$$

$$6 \cdot 8 = \underline{48}$$



$$3 \cdot 52 = \underline{156}$$

$$3 \cdot 50 = \underline{150}$$

$$3 \cdot 2 = \underline{6}$$

5 a)  $6 \cdot 43 = \underline{258}$   
 $6 \cdot 40 = \underline{240}$   
 $6 \cdot 3 = \underline{18}$

b)  $7 \cdot 25 = \underline{175}$   
 $7 \cdot 20 = \underline{140}$   
 $7 \cdot 5 = \underline{35}$

c)  $8 \cdot 16 = \underline{128}$   
 $8 \cdot 10 = \underline{80}$   
 $8 \cdot 6 = \underline{48}$

d)  $9 \cdot 27 = \underline{243}$   
 $9 \cdot 20 = \underline{180}$   
 $9 \cdot 7 = \underline{63}$

6 a)  $7 \cdot 37 = \underline{259}$   
 $7 \cdot 30 = \underline{210}$   
 $7 \cdot 7 = \underline{49}$

b)  $6 \cdot 93 = \underline{558}$   
 $6 \cdot 90 = \underline{540}$   
 $6 \cdot 3 = \underline{18}$

c)  $4 \cdot 58 = \underline{232}$   
 $4 \cdot 50 = \underline{200}$   
 $4 \cdot 8 = \underline{32}$

d)  $6 \cdot 74 = \underline{444}$   
 $6 \cdot 70 = \underline{420}$   
 $6 \cdot 4 = \underline{24}$

7 a)  $4 \cdot 73 = \underline{292}$   
 $4 \cdot 70 = \underline{280}$   
 $4 \cdot 3 = \underline{12}$

b)  $3 \cdot 96 = \underline{288}$   
 $3 \cdot 90 = \underline{270}$   
 $3 \cdot 6 = \underline{18}$

c)  $8 \cdot 54 = \underline{432}$   
 $8 \cdot 50 = \underline{400}$   
 $8 \cdot 4 = \underline{32}$

d)  $6 \cdot 47 = \underline{282}$   
 $6 \cdot 40 = \underline{240}$   
 $6 \cdot 7 = \underline{42}$

# Von einfachen zu schwierigen Multiplikationsaufgaben



8

a)  $\square = \square \cdot \square$

$$2 \cdot 124 = 248$$

$$2 \cdot 100 = 200$$

$$2 \cdot 20 = 40$$

$$2 \cdot 4 = 8$$

b)  $\square \square = \square \square \cdot \square$

$$3 \cdot 235 = 705$$

$$3 \cdot 200 = 600$$

$$3 \cdot 30 = 90$$

$$3 \cdot 5 = 15$$

c)  $\square \square \square = \square \square \square \cdot \square$

$$4 \cdot 327 = 1308$$

$$4 \cdot 300 = 1200$$

$$4 \cdot 20 = 80$$

$$4 \cdot 7 = 28$$

9

a)  $5 \cdot 127 = 635$

$$5 \cdot 100 = 500$$

$$5 \cdot 20 = 100$$

$$5 \cdot 7 = 35$$

b)  $6 \cdot 228 = 1368$

$$6 \cdot 200 = 1200$$

$$6 \cdot 20 = 120$$

$$6 \cdot 8 = 48$$

c)  $7 \cdot 131 = 917$

$$7 \cdot 100 = 700$$

$$7 \cdot 30 = 210$$

$$7 \cdot 1 = 7$$

d)  $8 \cdot 147 = 1176$

$$8 \cdot 100 = 800$$

$$8 \cdot 40 = 320$$

$$8 \cdot 7 = 56$$

e)  $9 \cdot 109 = 981$

$$9 \cdot 100 = 900$$

$$9 \cdot 0 = 0$$

$$9 \cdot 9 = 81$$

f)  $4 \cdot 227 = 908$

$$4 \cdot 200 = 800$$

$$4 \cdot 20 = 80$$

$$4 \cdot 7 = 28$$





## Von einfachen zu schwierigen Divisionsaufgaben

1

|            | 1-mal | 2-mal | 3-mal | 4-mal | 5-mal | 6-mal | 7-mal | 8-mal | 9-mal | 10-mal |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5er-Reihe  | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50     |
| 50er-Reihe | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500    |

- a)  $335 : 5 = 67$   
 $300 : 5 = 60$   
 $35 : 5 = 7$
- b)  $470 : 5 = 94$   
 $450 : 5 = 90$   
 $20 : 5 = 4$
- c)  $360 : 5 = 72$   
 $350 : 5 = 70$   
 $10 : 5 = 2$
- d)  $540 : 5 = 108$   
 $500 : 5 = 100$   
 $40 : 5 = 8$
- e)  $230 : 5 = 46$   
 $200 : 5 = 40$   
 $30 : 5 = 6$
- f)  $160 : 5 = 32$   
 $150 : 5 = 30$   
 $10 : 5 = 2$
- g)  $225 : 5 = 45$   
 $200 : 5 = 40$   
 $25 : 5 = 5$
- h)  $85 : 5 = 17$   
 $50 : 5 = 10$   
 $35 : 5 = 7$

2

|            | 6  | 12  | 18  | 24  | 30  | 36  | 42  | 48  | 54  | 60  |
|------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 6er-Reihe  | 6  | 12  | 18  | 24  | 30  | 36  | 42  | 48  | 54  | 60  |
| 60er-Reihe | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 |

- a)  $552 : 6 = 92$   
 $540 : 6 = 90$   
 $12 : 6 = 2$
- b)  $378 : 6 = 63$   
 $360 : 6 = 60$   
 $18 : 6 = 3$
- c)  $444 : 6 = 74$   
 $420 : 6 = 70$   
 $24 : 6 = 4$
- d)  $210 : 6 = 35$   
 $180 : 6 = 30$   
 $30 : 6 = 5$
- e)  $102 : 6 = 17$   
 $60 : 6 = 10$   
 $42 : 6 = 7$
- f)  $174 : 6 = 29$   
 $120 : 6 = 20$   
 $54 : 6 = 9$
- g)  $288 : 6 = 48$   
 $240 : 6 = 40$   
 $48 : 6 = 8$
- h)  $636 : 6 = 106$   
 $600 : 6 = 100$   
 $36 : 6 = 6$

3

|            | 4  | 8  | 12  | 16  | 20  | 24  | 28  | 32  | 36  | 40  |
|------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4er-Reihe  | 4  | 8  | 12  | 16  | 20  | 24  | 28  | 32  | 36  | 40  |
| 40er-Reihe | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | 360 | 400 |

- a)  $376 : 4 = 94$   
 $360 : 4 = 90$   
 $16 : 4 = 4$
- b)  $436 : 4 = 109$   
 $400 : 4 = 100$   
 $36 : 4 = 9$
- c)  $248 : 4 = 62$   
 $240 : 4 = 60$   
 $8 : 4 = 2$
- d)  $188 : 4 = 47$   
 $160 : 4 = 40$   
 $28 : 4 = 7$
- e)  $144 : 4 = 36$   
 $120 : 4 = 30$   
 $24 : 4 = 6$
- f)  $328 : 4 = 82$   
 $320 : 4 = 80$   
 $8 : 4 = 2$
- g)  $232 : 4 = 58$   
 $200 : 4 = 50$   
 $32 : 4 = 8$
- h)  $92 : 4 = 23$   
 $80 : 4 = 20$   
 $12 : 4 = 3$



# Von einfachen zu schwierigen Divisionsaufgaben



4

|            | 1-mal | 2-mal | 3-mal | 4-mal | 5-mal | 6-mal | 7-mal | 8-mal | 9-mal | 10-mal |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 8er-Reihe  | 8     | 16    | 24    | 32    | 40    | 48    | 56    | 64    | 72    | 80     |
| 80er-Reihe | 80    | 160   | 240   | 320   | 400   | 480   | 560   | 640   | 720   | 800    |

- a)  $328 : 8 = 41$   
 $320 : 8 = 40$   
 $8 : 8 = 1$
- b)  $424 : 8 = 53$   
 $400 : 8 = 50$   
 $24 : 8 = 3$
- c)  $624 : 8 = 78$   
 $560 : 8 = 70$   
 $64 : 8 = 8$
- d)  $752 : 8 = 94$   
 $720 : 8 = 90$   
 $32 : 8 = 4$
- e)  $536 : 8 = 67$   
 $480 : 8 = 60$   
 $56 : 8 = 7$
- f)  $208 : 8 = 26$   
 $160 : 8 = 20$   
 $48 : 8 = 6$
- g)  $312 : 8 = 39$   
 $240 : 8 = 30$   
 $72 : 8 = 9$
- h)  $144 : 8 = 18$   
 $80 : 8 = 10$   
 $64 : 8 = 8$

5

|            | 7  | 14  | 21  | 28  | 35  | 42  | 49  | 56  | 63  | 70  |
|------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7er-Reihe  | 7  | 14  | 21  | 28  | 35  | 42  | 49  | 56  | 63  | 70  |
| 70er-Reihe | 70 | 140 | 210 | 280 | 350 | 420 | 490 | 560 | 630 | 700 |

- a)  $448 : 7 = 64$   
 $420 : 7 = 60$   
 $28 : 7 = 4$
- b)  $581 : 7 = 83$   
 $560 : 7 = 80$   
 $21 : 7 = 3$
- c)  $259 : 7 = 37$   
 $210 : 7 = 30$   
 $49 : 7 = 7$
- d)  $182 : 7 = 26$   
 $140 : 7 = 20$   
 $42 : 7 = 6$
- e)  $399 : 7 = 57$   
 $350 : 7 = 50$   
 $49 : 7 = 7$
- f)  $644 : 7 = 92$   
 $630 : 7 = 90$   
 $14 : 7 = 2$
- g)  $98 : 7 = 14$   
 $70 : 7 = 10$   
 $28 : 7 = 4$
- h)  $336 : 7 = 48$   
 $280 : 7 = 40$   
 $56 : 7 = 8$

6

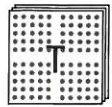
|            | 9  | 18  | 27  | 36  | 45  | 54  | 63  | 72  | 81  | 90  |
|------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 9er-Reihe  | 9  | 18  | 27  | 36  | 45  | 54  | 63  | 72  | 81  | 90  |
| 90er-Reihe | 90 | 180 | 270 | 360 | 450 | 540 | 630 | 720 | 810 | 900 |

- a)  $117 : 9 = 13$   
 $90 : 9 = 10$   
 $27 : 9 = 3$
- b)  $603 : 9 = 67$   
 $540 : 9 = 60$   
 $63 : 9 = 7$
- c)  $342 : 9 = 38$   
 $270 : 9 = 30$   
 $72 : 9 = 8$
- d)  $396 : 9 = 44$   
 $360 : 9 = 40$   
 $36 : 9 = 4$
- e)  $477 : 9 = 53$   
 $450 : 9 = 50$   
 $27 : 9 = 3$
- f)  $585 : 9 = 65$   
 $540 : 9 = 60$   
 $45 : 9 = 5$
- g)  $153 : 9 = 17$   
 $90 : 9 = 10$   
 $63 : 9 = 7$
- h)  $765 : 9 = 85$   
 $720 : 9 = 80$   
 $45 : 9 = 5$

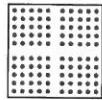


## Welche Zahl?

Stelle jede Zahl auf drei Arten dar: durch eine Zeichnung, in der Stellentafel mit Plättchen und in der Stellentafel mit Ziffern.



Tausenderbuch



Hunderterfeld

— Zehner

• Einer

1



| T  | H   | Z    | E     | T | H | Z | E |
|----|-----|------|-------|---|---|---|---|
| •• | ••• | •••• | ••••• | 2 | 3 | 4 | 5 |

2



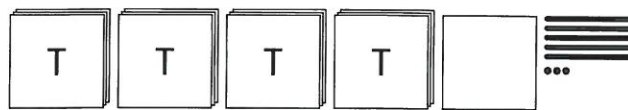
| T   | H  | Z   | E | T | H | Z | E |
|-----|----|-----|---|---|---|---|---|
| ••• | •• | ••• |   | 3 | 2 | 3 | 0 |

3



| T | H   | Z    | E  | T | H | Z | E |
|---|-----|------|----|---|---|---|---|
| • | ••• | •••• | •• | 1 | 3 | 5 | 2 |

4



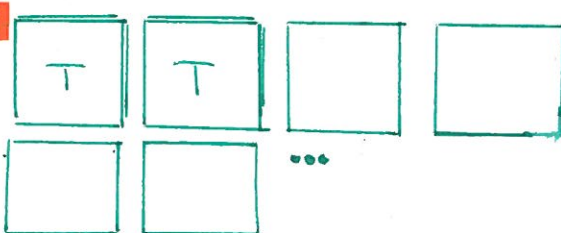
| T    | H | Z    | E   | T | H | Z | E |
|------|---|------|-----|---|---|---|---|
| •••• | • | •••• | ••• | 4 | 1 | 5 | 3 |

5



| T   | H | Z    | E     | T | H | Z | E |
|-----|---|------|-------|---|---|---|---|
| ••• | • | •••• | ••••• | 3 | 1 | 4 | 6 |

6



| T  | H    | Z | E   | T | H | Z | E |
|----|------|---|-----|---|---|---|---|
| •• | •••• |   | ••• | 2 | 4 | 0 | 3 |



Stelle jede Zahl auf drei Arten dar: durch eine Zeichnung, in der Stellentafel mit Plättchen und in der Stellentafel mit Ziffern.



**7**

|   |   |  |  |
|---|---|--|--|
| T | T |  |  |
| T | T |  |  |

| T   | H   | Z    | E  | T | H | Z | E |
|-----|-----|------|----|---|---|---|---|
| ... | ... | .... | .. | 4 | 3 | 5 | 2 |

**8**

|   |   |  |  |  |
|---|---|--|--|--|
| T | T |  |  |  |
|   |   |  |  |  |

| T  | H    | Z  | E | T | H | Z | E |
|----|------|----|---|---|---|---|---|
| .. | .... | .. |   | 2 | 5 | 2 | 0 |

**9**

|   |   |   |  |  |
|---|---|---|--|--|
| T | T | T |  |  |
| T | T |   |  |  |

| T    | H   | Z | E   | T | H | Z | E |
|------|-----|---|-----|---|---|---|---|
| .... | ... |   | ... | 5 | 4 | 0 | 3 |

**10**

|   |   |   |  |  |
|---|---|---|--|--|
| T | T | T |  |  |
|   |   |   |  |  |

| T   | H    | Z | E    | T | H | Z | E |
|-----|------|---|------|---|---|---|---|
| ... | .... |   | .... | 3 | 5 | 0 | 5 |

**11**

|   |  |  |  |
|---|--|--|--|
| T |  |  |  |
|---|--|--|--|

| T | H   | Z | E    | T | H | Z | E |
|---|-----|---|------|---|---|---|---|
| . | ... |   | .... | 1 | 3 | 0 | 5 |





# Zahlen in Tausender und Einer zerlegen

73 volle Tausender,  
129 Einer



|        | ZT | T | H | Z | E |                              |                 |
|--------|----|---|---|---|---|------------------------------|-----------------|
| 73 129 | 7  | 3 | 1 | 2 | 9 | $73\text{ T} + 129\text{ E}$ | $73\ 000 + 129$ |

Trage in die Stellentafel ein und zerlege.

1

|        | ZT | T | H | Z | E |                              |                 |
|--------|----|---|---|---|---|------------------------------|-----------------|
| 4 618  |    | 4 | 6 | 1 | 8 | $4\text{ T} + 618\text{ E}$  | $4\ 000 + 618$  |
| 12 124 | 1  | 2 | 1 | 2 | 4 | $12\text{ T} + 124\text{ E}$ | $12\ 000 + 124$ |
| 38 064 | 3  | 8 | 0 | 6 | 4 | $38\text{ T} + 64\text{ E}$  | $38\ 000 + 64$  |
| 20 109 | 2  | 0 | 1 | 0 | 9 | $20\text{ T} + 109\text{ E}$ | $20\ 000 + 109$ |

2

|        | ZT | T | H | Z | E |                              |                 |
|--------|----|---|---|---|---|------------------------------|-----------------|
| 16 106 | 1  | 6 | 1 | 0 | 6 | $16\text{ T} + 106\text{ E}$ | $16\ 000 + 106$ |
| 61 601 | 6  | 1 | 6 | 0 | 1 | $61\text{ T} + 601\text{ E}$ | $61\ 000 + 601$ |
| 7 093  |    | 7 | 0 | 9 | 3 | $7\text{ T} + 93\text{ E}$   | $7\ 000 + 93$   |
| 70 930 | 7  | 0 | 9 | 3 | 0 | $70\text{ T} + 930\text{ E}$ | $70\ 000 + 930$ |

3

|        | ZT | T | H | Z | E |                              |                 |
|--------|----|---|---|---|---|------------------------------|-----------------|
| 81 204 | 8  | 1 | 2 | 0 | 4 | $81\text{ T} + 204\text{ E}$ | $81\ 000 + 204$ |
| 22 355 | 2  | 2 | 3 | 5 | 5 | $22\text{ T} + 355\text{ E}$ | $22\ 000 + 355$ |
| 91 590 | 9  | 1 | 5 | 9 | 0 | $91\text{ T} + 590\text{ E}$ | $91\ 000 + 590$ |
| 80 008 | 8  | 0 | 0 | 0 | 8 | $80\text{ T} + 8\text{ E}$   | $80\ 000 + 8$   |

4

|        | ZT | T | H | Z | E |                              |                 |
|--------|----|---|---|---|---|------------------------------|-----------------|
| 70 070 | 7  | 0 | 0 | 7 | 0 | $70\text{ T} + 70\text{ E}$  | $70\ 000 + 70$  |
| 7 070  |    | 7 | 0 | 7 | 0 | $7\text{ T} + 70\text{ E}$   | $7\ 000 + 70$   |
| 41 410 | 4  | 1 | 4 | 1 | 0 | $41\text{ T} + 410\text{ E}$ | $41\ 000 + 410$ |
| 31 593 | 3  | 1 | 5 | 9 | 3 | $31\text{ T} + 593\text{ E}$ | $31\ 000 + 593$ |

# Zahlen in Tausender und Einer zerlegen



607 volle Tausender,  
417 Einer



|         | HT | ZT | T | H | Z | E |                      |                  |
|---------|----|----|---|---|---|---|----------------------|------------------|
| 607 417 | 6  | 0  | 7 | 4 | 1 | 7 | $607\text{ T} + 417$ | $607\ 000 + 417$ |

Trage in die Stellentafel ein und zerlege.

5

|         | HT | ZT | T | H | Z | E |                               |                  |
|---------|----|----|---|---|---|---|-------------------------------|------------------|
| 409 117 | 4  | 0  | 9 | 1 | 1 | 7 | $409\text{ T} + 117\text{ E}$ | $409\ 000 + 117$ |
| 140 098 | 1  | 0  | 4 | 0 | 9 | 8 | $104\text{ T} + 98\text{ E}$  | $104\ 000 + 98$  |
| 516 907 | 5  | 1  | 6 | 9 | 0 | 7 | $516\text{ T} + 907\text{ E}$ | $516\ 000 + 907$ |
| 320 023 | 3  | 2  | 0 | 0 | 2 | 3 | $320\text{ T} + 23\text{ E}$  | $320\ 000 + 23$  |

6

|         | HT | ZT | T | H | Z | E |                               |                  |
|---------|----|----|---|---|---|---|-------------------------------|------------------|
| 891 198 | 8  | 9  | 1 | 1 | 9 | 8 | $891\text{ T} + 198\text{ E}$ | $891\ 000 + 198$ |
| 587 165 | 5  | 8  | 7 | 1 | 6 | 5 | $587\text{ T} + 165\text{ E}$ | $587\ 000 + 165$ |
| 168 640 | 1  | 6  | 8 | 6 | 4 | 0 | $168\text{ T} + 640\text{ E}$ | $168\ 000 + 640$ |
| 307 425 | 3  | 0  | 7 | 4 | 2 | 5 | $307\text{ T} + 425\text{ E}$ | $307\ 000 + 425$ |

7

|         | HT | ZT | T | H | Z | E |                               |                  |
|---------|----|----|---|---|---|---|-------------------------------|------------------|
| 922 133 | 9  | 2  | 2 | 1 | 3 | 3 | $922\text{ T} + 133\text{ E}$ | $922\ 000 + 133$ |
| 466 554 | 4  | 6  | 6 | 5 | 5 | 4 | $466\text{ T} + 554\text{ E}$ | $466\ 000 + 554$ |
| 217 019 | 2  | 1  | 7 | 0 | 1 | 9 | $217\text{ T} + 19\text{ E}$  | $217\ 000 + 19$  |
| 805 580 | 8  | 0  | 5 | 5 | 8 | 0 | $805\text{ T} + 580\text{ E}$ | $805\ 000 + 580$ |

8

|         | HT | ZT | T | H | Z | E |                               |                  |
|---------|----|----|---|---|---|---|-------------------------------|------------------|
| 245 790 | 2  | 4  | 5 | 7 | 9 | 0 | $245\text{ T} + 790\text{ E}$ | $245\ 000 + 790$ |
| 312 084 | 3  | 1  | 2 | 0 | 8 | 4 | $312\text{ T} + 84\text{ E}$  | $312\ 000 + 84$  |
| 633 445 | 6  | 3  | 3 | 4 | 4 | 5 | $633\text{ T} + 445\text{ E}$ | $633\ 000 + 445$ |
| 724 602 | 7  | 2  | 4 | 6 | 0 | 2 | $724\text{ T} + 602\text{ E}$ | $724\ 000 + 602$ |





## Zählen in der Stellentafel

**1** Zähle in 1er-Schritten.

| ZT | T | H | Z | E |
|----|---|---|---|---|
|    | 1 | 9 | 9 | 4 |
|    | 1 | 9 | 9 | 5 |
|    | 1 | 9 | 9 | 6 |
|    | 1 | 9 | 9 | 7 |
|    | 1 | 9 | 9 | 8 |
|    | 1 | 9 | 9 | 9 |
|    | 2 | 0 | 0 | 0 |
|    | 2 | 0 | 0 | 1 |
|    | 2 | 0 | 0 | 2 |
|    | 2 | 0 | 0 | 3 |
|    | 2 | 0 | 0 | 4 |
|    | 2 | 0 | 0 | 5 |
|    | 2 | 0 | 0 | 6 |
|    | 2 | 0 | 0 | 7 |

**2** Zähle in 10er-Schritten.

a)

| ZT | T | H | Z | E |
|----|---|---|---|---|
|    | 9 | 9 | 3 | 2 |
|    | 9 | 9 | 4 | 2 |
|    | 9 | 9 | 5 | 2 |
|    | 9 | 9 | 6 | 2 |
|    | 9 | 9 | 7 | 2 |
|    | 9 | 9 | 8 | 2 |
|    | 9 | 9 | 9 | 2 |
| 1  | 0 | 0 | 0 | 2 |
| 1  | 0 | 0 | 1 | 2 |
| 1  | 0 | 0 | 2 | 2 |
| 1  | 0 | 0 | 3 | 2 |
| 1  | 0 | 0 | 4 | 2 |
| 1  | 0 | 0 | 5 | 2 |
| 1  | 0 | 0 | 6 | 2 |

b)

| HT | ZT | T | H | Z | E |
|----|----|---|---|---|---|
| 4  | 8  | 9 | 9 | 1 | 5 |
| 4  | 8  | 9 | 9 | 2 | 5 |
| 4  | 8  | 9 | 9 | 3 | 5 |
| 4  | 8  | 9 | 9 | 4 | 5 |
| 4  | 8  | 9 | 9 | 5 | 5 |
| 4  | 8  | 9 | 9 | 6 | 5 |
| 4  | 8  | 9 | 9 | 7 | 5 |
| 4  | 8  | 9 | 9 | 8 | 5 |
| 4  | 8  | 9 | 9 | 9 | 5 |
| 4  | 9  | 0 | 0 | 0 | 5 |
| 4  | 9  | 0 | 0 | 1 | 5 |
| 4  | 9  | 0 | 0 | 2 | 5 |
| 4  | 9  | 0 | 0 | 3 | 5 |
| 4  | 9  | 0 | 0 | 4 | 5 |

**3** Zähle in 100er-Schritten.

a)

| ZT | T | H | Z | E |
|----|---|---|---|---|
|    | 4 | 3 | 0 | 8 |
|    | 4 | 4 | 0 | 8 |
|    | 4 | 5 | 0 | 8 |
|    | 4 | 6 | 0 | 8 |
|    | 4 | 7 | 0 | 8 |
|    | 4 | 8 | 0 | 8 |
|    | 4 | 9 | 0 | 8 |
|    | 5 | 0 | 0 | 8 |
|    | 5 | 1 | 0 | 8 |
|    | 5 | 2 | 0 | 8 |
|    | 5 | 3 | 0 | 8 |
|    | 5 | 4 | 0 | 8 |
|    | 5 | 5 | 0 | 8 |
|    | 5 | 6 | 0 | 8 |

b)

| HT | ZT | T | H | Z | E |
|----|----|---|---|---|---|
| 1  | 3  | 9 | 6 | 3 | 7 |
| 1  | 3  | 9 | 7 | 3 | 7 |
| 1  | 3  | 9 | 8 | 3 | 7 |
| 1  | 3  | 9 | 9 | 3 | 7 |
| 1  | 4  | 0 | 0 | 3 | 7 |
| 1  | 4  | 0 | 1 | 3 | 7 |
| 1  | 4  | 0 | 2 | 3 | 7 |
| 1  | 4  | 0 | 3 | 3 | 7 |
| 1  | 4  | 0 | 4 | 3 | 7 |
| 1  | 4  | 0 | 5 | 3 | 7 |
| 1  | 4  | 0 | 6 | 3 | 7 |
| 1  | 4  | 0 | 7 | 3 | 7 |
| 1  | 4  | 0 | 8 | 3 | 7 |
| 1  | 4  | 0 | 9 | 3 | 7 |

c)

| HT | ZT | T | H | Z | E |
|----|----|---|---|---|---|
|    | 9  | 0 | 0 | 4 | 5 |
|    | 9  | 0 | 1 | 4 | 5 |
|    | 9  | 0 | 2 | 4 | 5 |
|    | 9  | 0 | 3 | 4 | 5 |
|    | 9  | 0 | 4 | 4 | 5 |
|    | 9  | 0 | 5 | 4 | 5 |
|    | 9  | 0 | 6 | 4 | 5 |
|    | 9  | 0 | 7 | 4 | 5 |
|    | 9  | 0 | 8 | 4 | 5 |
|    | 9  | 0 | 9 | 4 | 5 |
|    | 9  | 1 | 0 | 4 | 5 |
|    | 9  | 1 | 1 | 4 | 5 |
|    | 9  | 1 | 2 | 4 | 5 |
|    | 9  | 1 | 3 | 4 | 5 |





## 4 Zähle in 1 000er-Schritten.

a)

| ZT | T | H | Z | E |
|----|---|---|---|---|
|    | 4 | 7 | 9 | 2 |
|    | 5 | 7 | 9 | 2 |
|    | 6 | 7 | 9 | 2 |
|    | 7 | 7 | 9 | 2 |
|    | 8 | 7 | 9 | 2 |
|    | 9 | 7 | 9 | 2 |
| 1  | 0 | 7 | 9 | 2 |
| 1  | 1 | 7 | 9 | 2 |
| 1  | 2 | 7 | 9 | 2 |
| 1  | 3 | 7 | 9 | 2 |
| 1  | 4 | 7 | 9 | 2 |
| 1  | 5 | 7 | 9 | 2 |
| 1  | 6 | 7 | 9 | 2 |
| 1  | 7 | 7 | 9 | 2 |

b)

| HT | ZT | T | H | Z | E |
|----|----|---|---|---|---|
| 2  | 9  | 3 | 0 | 8 | 9 |
| 2  | 9  | 4 | 0 | 8 | 9 |
| 2  | 9  | 5 | 0 | 8 | 9 |
| 2  | 9  | 6 | 0 | 8 | 9 |
| 2  | 9  | 7 | 0 | 8 | 9 |
| 2  | 9  | 8 | 0 | 8 | 9 |
| 2  | 9  | 9 | 0 | 8 | 9 |
| 3  | 0  | 0 | 0 | 8 | 9 |
| 3  | 0  | 1 | 0 | 8 | 9 |
| 3  | 0  | 2 | 0 | 8 | 9 |
| 3  | 0  | 3 | 0 | 8 | 9 |
| 3  | 0  | 4 | 0 | 8 | 9 |
| 3  | 0  | 5 | 0 | 8 | 9 |
| 3  | 0  | 6 | 0 | 8 | 9 |

c)

| HT | ZT | T | H | Z | E |
|----|----|---|---|---|---|
|    | 7  | 7 | 6 | 0 | 5 |
|    | 7  | 8 | 6 | 0 | 5 |
|    | 7  | 9 | 6 | 0 | 5 |
|    | 8  | 0 | 6 | 0 | 5 |
|    | 8  | 1 | 6 | 0 | 5 |
|    | 8  | 2 | 6 | 0 | 5 |
|    | 8  | 3 | 6 | 0 | 5 |
|    | 8  | 4 | 6 | 0 | 5 |
|    | 8  | 5 | 6 | 0 | 5 |
|    | 8  | 6 | 6 | 0 | 5 |
|    | 8  | 7 | 6 | 0 | 5 |
|    | 8  | 8 | 6 | 0 | 5 |
|    | 8  | 9 | 6 | 0 | 5 |
|    | 9  | 0 | 6 | 0 | 5 |

## 5 Zähle in 10 000er-Schritten.

a)

| M | HT | ZT | T | H | Z | E |
|---|----|----|---|---|---|---|
|   |    | 1  | 4 | 5 | 6 | 4 |
|   |    | 2  | 4 | 5 | 6 | 4 |
|   |    | 3  | 4 | 5 | 6 | 4 |
|   |    | 4  | 4 | 5 | 6 | 4 |
|   |    | 5  | 4 | 5 | 6 | 4 |
|   |    | 6  | 4 | 5 | 6 | 4 |
|   |    | 7  | 4 | 5 | 6 | 4 |
|   |    | 8  | 4 | 5 | 6 | 4 |
|   |    | 9  | 4 | 5 | 6 | 4 |
| 1 | 0  | 4  | 5 | 6 | 4 |   |
| 1 | 1  | 4  | 5 | 6 | 4 |   |
| 1 | 2  | 4  | 5 | 6 | 4 |   |
| 1 | 3  | 4  | 5 | 6 | 4 |   |
| 1 | 4  | 4  | 5 | 6 | 4 |   |

b)

| M | HT | ZT | T | H | Z | E |
|---|----|----|---|---|---|---|
|   |    | 6  | 3 | 1 | 7 | 0 |
|   |    | 7  | 3 | 1 | 7 | 0 |
|   |    | 8  | 3 | 1 | 7 | 0 |
|   |    | 9  | 3 | 1 | 7 | 0 |
| 1 | 0  | 3  | 1 | 7 | 0 |   |
| 1 | 1  | 3  | 1 | 7 | 0 |   |
| 1 | 2  | 3  | 1 | 7 | 0 |   |
| 1 | 3  | 3  | 1 | 7 | 0 |   |
| 1 | 4  | 3  | 1 | 7 | 0 |   |
| 1 | 5  | 3  | 1 | 7 | 0 |   |
| 1 | 6  | 3  | 1 | 7 | 0 |   |
| 1 | 7  | 3  | 1 | 7 | 0 |   |
| 1 | 8  | 3  | 1 | 7 | 0 |   |
| 1 | 9  | 3  | 1 | 7 | 0 |   |

c)

| M | HT | ZT | T | H | Z | E |
|---|----|----|---|---|---|---|
|   | 8  | 9  | 3 | 2 | 4 | 7 |
|   | 9  | 0  | 3 | 2 | 4 | 7 |
|   | 9  | 1  | 3 | 2 | 4 | 7 |
|   | 9  | 2  | 3 | 2 | 4 | 7 |
|   | 9  | 3  | 3 | 2 | 4 | 7 |
|   | 9  | 4  | 3 | 2 | 4 | 7 |
|   | 9  | 5  | 3 | 2 | 4 | 7 |
|   | 9  | 6  | 3 | 2 | 4 | 7 |
|   | 9  | 7  | 3 | 2 | 4 | 7 |
|   | 9  | 8  | 3 | 2 | 4 | 7 |
|   | 9  | 9  | 3 | 2 | 4 | 7 |
| 1 | 0  | 0  | 3 | 2 | 4 | 7 |
| 1 | 0  | 1  | 3 | 2 | 4 | 7 |
| 1 | 0  | 2  | 3 | 2 | 4 | 7 |



## Ergänzen bis 1 000 – Ergänzen bis 1 Million

1 a)

| 1 000 |     |
|-------|-----|
| 800 + | 200 |
| 860 + | 140 |
| 865 + | 135 |
| 869 + | 131 |
| 870 + | 130 |

| 1 Million |         |
|-----------|---------|
| 800 000 + | 200 000 |
| 860 000 + | 140 000 |
| 865 000 + | 135 000 |
| 869 000 + | 131 000 |
| 870 000 + | 130 000 |

b)

| 1 000 |     |
|-------|-----|
| 500 + | 500 |
| 490 + | 510 |
| 489 + | 511 |
| 439 + | 561 |
| 404 + | 596 |

| 1 Million |         |
|-----------|---------|
| 500 000 + | 500 000 |
| 490 000 + | 510 000 |
| 489 000 + | 511 000 |
| 439 000 + | 561 000 |
| 404 000 + | 596 000 |

2 a)

| 1 000 |     |
|-------|-----|
| 930 + | 70  |
| 830 + | 170 |
| 730 + | 270 |
| 630 + | 370 |
| 530 + | 470 |

| 1 Million |         |
|-----------|---------|
| 930 000 + | 70 000  |
| 830 000 + | 170 000 |
| 730 000 + | 270 000 |
| 630 000 + | 370 000 |
| 530 000 + | 470 000 |

b)

| 1 000 |     |
|-------|-----|
| 375 + | 625 |
| 475 + | 525 |
| 575 + | 425 |
| 675 + | 325 |
| 775 + | 225 |

| 1 Million |         |
|-----------|---------|
| 375 000 + | 625 000 |
| 475 000 + | 525 000 |
| 575 000 + | 425 000 |
| 675 000 + | 325 000 |
| 775 000 + | 225 000 |

3 a)

| 1 000 |     |
|-------|-----|
| 436 + | 564 |
| 446 + | 554 |
| 456 + | 544 |
| 466 + | 534 |
| 476 + | 524 |

| 1 Million |         |
|-----------|---------|
| 436 000 + | 564 000 |
| 446 000 + | 554 000 |
| 456 000 + | 544 000 |
| 466 000 + | 534 000 |
| 476 000 + | 524 000 |

b)

| 1 000 |     |
|-------|-----|
| 390 + | 610 |
| 392 + | 608 |
| 394 + | 606 |
| 396 + | 604 |
| 398 + | 602 |

| 1 Million |         |
|-----------|---------|
| 390 000 + | 610 000 |
| 392 000 + | 608 000 |
| 394 000 + | 606 000 |
| 396 000 + | 604 000 |
| 398 000 + | 602 000 |

4 a)

| 1 000 |     |
|-------|-----|
| 648 + | 352 |
| 468 + | 532 |
| 486 + | 514 |
| 684 + | 316 |
| 846 + | 154 |

| 1 Million |         |
|-----------|---------|
| 648 000 + | 352 000 |
| 468 000 + | 532 000 |
| 486 000 + | 514 000 |
| 684 000 + | 316 000 |
| 846 000 + | 154 000 |

b)

| 1 000 |     |
|-------|-----|
| 111 + | 889 |
| 222 + | 778 |
| 333 + | 667 |
| 444 + | 556 |
| 555 + | 445 |

| 1 Million |         |
|-----------|---------|
| 111 000 + | 889 000 |
| 222 000 + | 778 000 |
| 333 000 + | 667 000 |
| 444 000 + | 556 000 |
| 555 000 + | 445 000 |





1 a)

| 10     | 10 000    |
|--------|-----------|
| 2 · 5  | 2 · 5 000 |
|        | 4 · 2500  |
| 5 · 2  | 5 · 2000  |
| 10 · 1 | 10 · 1000 |

b)

| 20     | 20 000     |
|--------|------------|
| 2 · 10 | 2 · 10 000 |
| 4 · 5  | 4 · 5000   |
| 5 · 4  | 5 · 4000   |
| 10 · 2 | 10 · 2000  |

2 a)

| 50     | 50 000     |
|--------|------------|
| 2 · 25 | 2 · 25 000 |
|        | 4 · 12 500 |
| 5 · 10 | 5 · 10 000 |
| 10 · 5 | 10 · 5 000 |

b)

| 100     | 100 000     |
|---------|-------------|
| 2 · 50  | 2 · 50 000  |
| 4 · 25  | 4 · 25 000  |
| 5 · 20  | 5 · 20 000  |
| 10 · 10 | 10 · 10 000 |
| 100 · 1 | 100 · 1 000 |

3 a)

| 200     | 200 000     |
|---------|-------------|
| 2 · 100 | 2 · 100 000 |
| 4 · 50  | 4 · 50 000  |
| 5 · 40  | 5 · 40 000  |
| 10 · 20 | 10 · 20 000 |
| 100 · 2 | 100 · 2 000 |

b)

| 500     | 500 000     |
|---------|-------------|
| 2 · 250 | 2 · 250 000 |
| 4 · 125 | 4 · 125 000 |
| 5 · 100 | 5 · 100 000 |
| 10 · 50 | 10 · 50 000 |
| 100 · 5 | 100 · 5 000 |

4 a)

| 1 000     | 1 Million     |
|-----------|---------------|
| 2 · 500   | 2 · 500 000   |
| 4 · 250   | 4 · 250 000   |
| 5 · 200   | 5 · 200 000   |
| 10 · 100  | 10 · 100 000  |
| 100 · 10  | 100 · 100 000 |
| 1 000 · 1 | 1 000 · 1 000 |

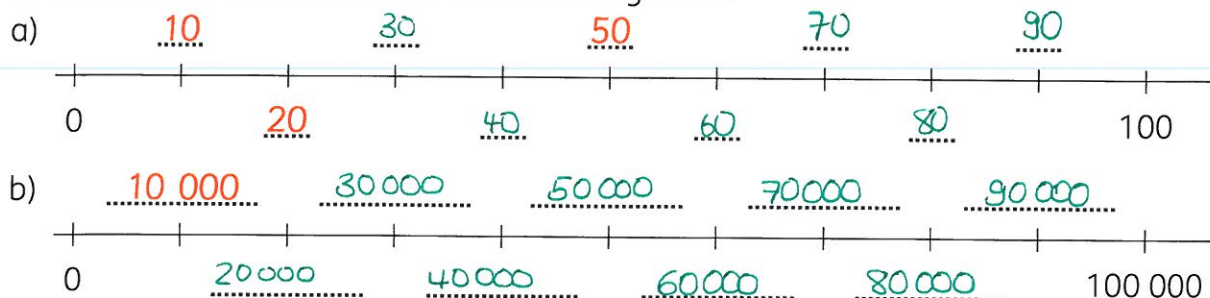
b)

| 2 000     | 2 000 000     |
|-----------|---------------|
| 2 · 1000  | 2 · 1 000 000 |
| 4 · 500   | 4 · 500 000   |
| 5 · 400   | 5 · 400 000   |
| 10 · 200  | 10 · 200 000  |
| 100 · 20  | 100 · 20 000  |
| 1 000 · 2 | 1 000 · 2 000 |

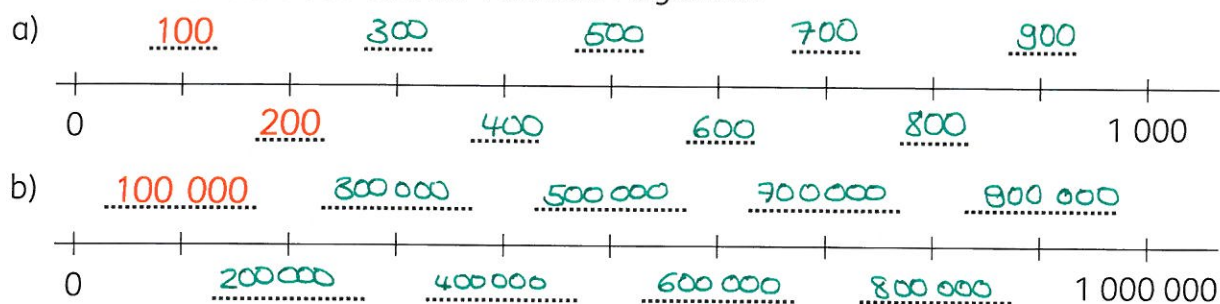


## Zählen in Schritten

1 In 10 Schritten bis 100 und bis 100 000. Vergleiche.



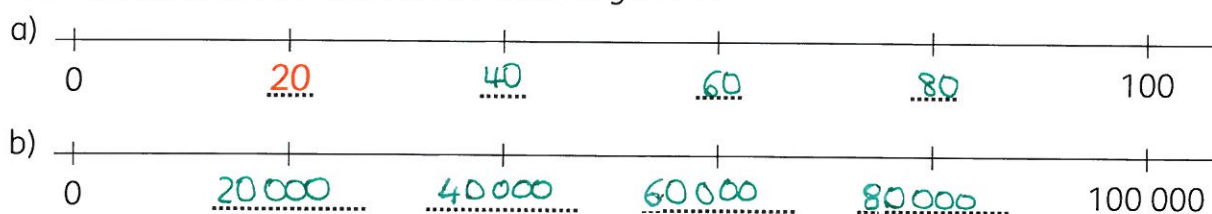
2 In 10 Schritten bis 1 000 und bis 1 Million. Vergleiche.



3 In 5 Schritten bis 10 000.



4 In 5 Schritten bis 100 und bis 100 000. Vergleiche.



5 In 5 Schritten bis 1 000 und bis 1 Million. Vergleiche.

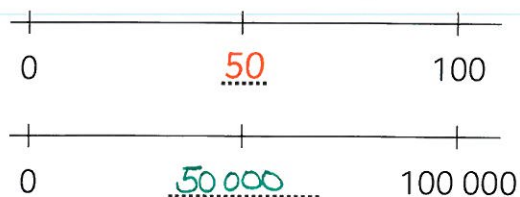




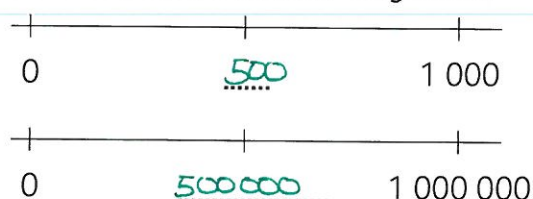


## 6 In 2 Schritten

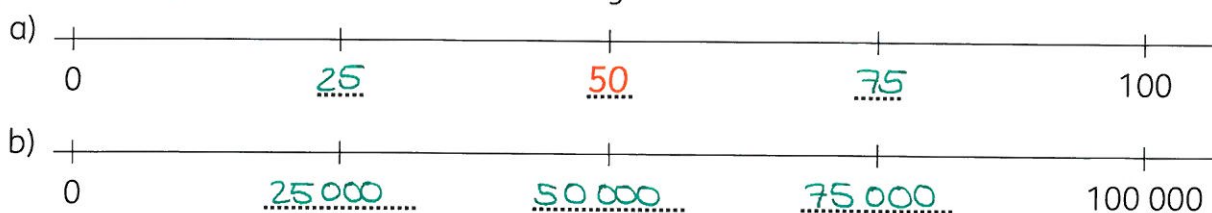
a) bis 100 und 100 000. Vergleiche.



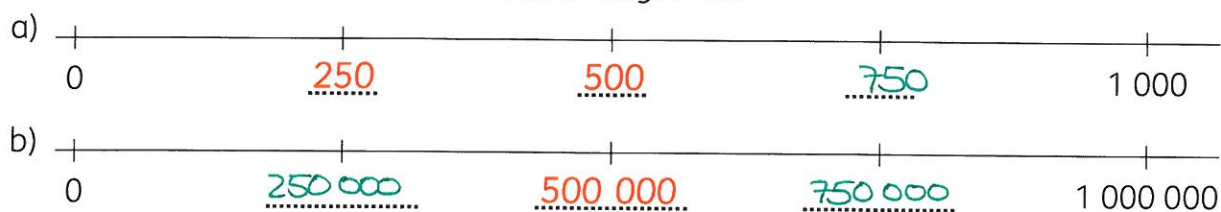
b) bis 1 000 und 1 Million. Vergleiche.



## 7 In 4 Schritten bis 100 und bis 100 000. Vergleiche.



## 8 In 4 Schritten bis 1 000 und bis 1 Million. Vergleiche.



## 9 In 4 Schritten bis 10 000.



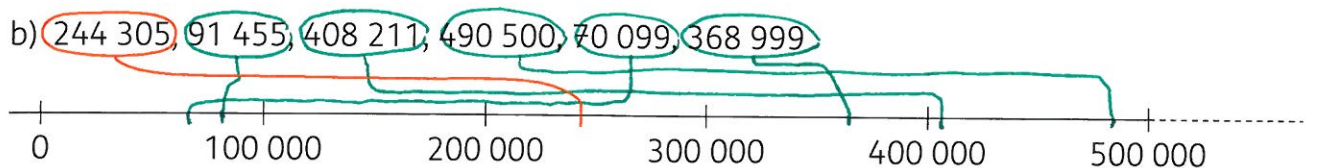
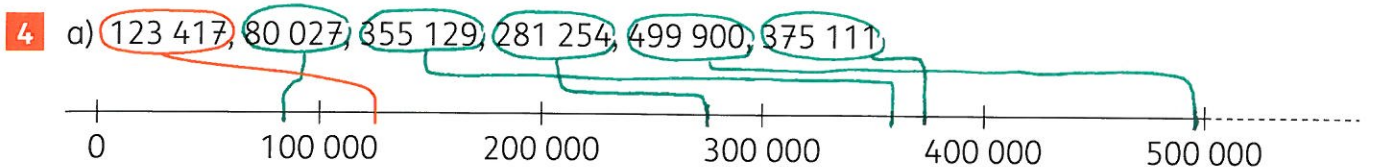
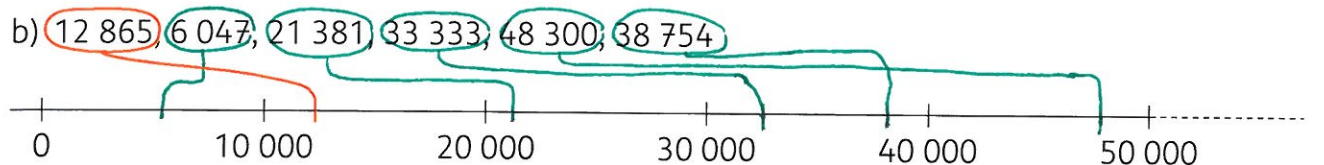
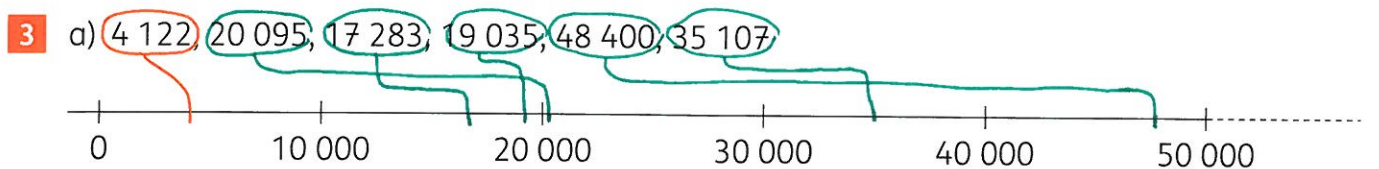
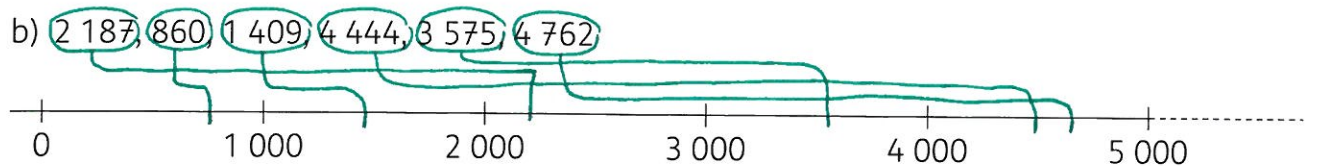
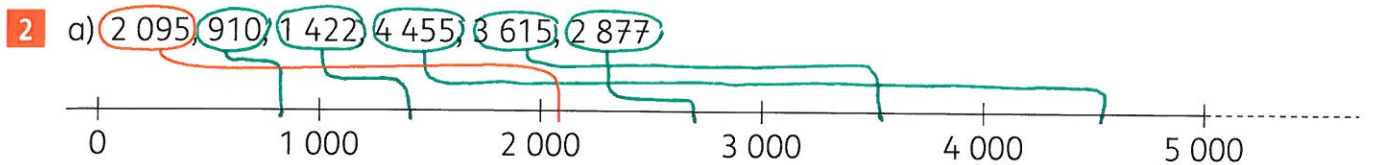
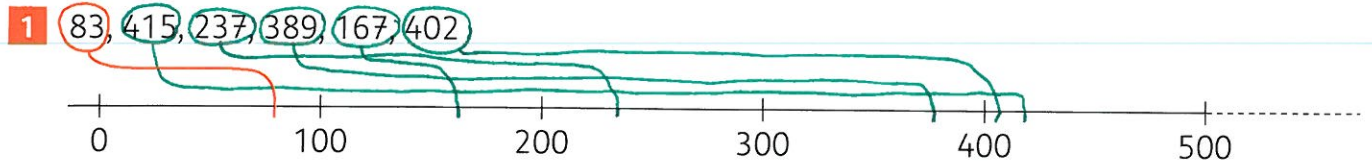
## 10 In 8 Schritten bis 1 000 und bis 1 Million. Vergleiche.



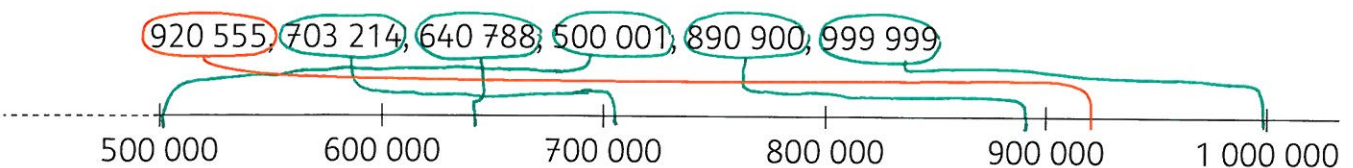
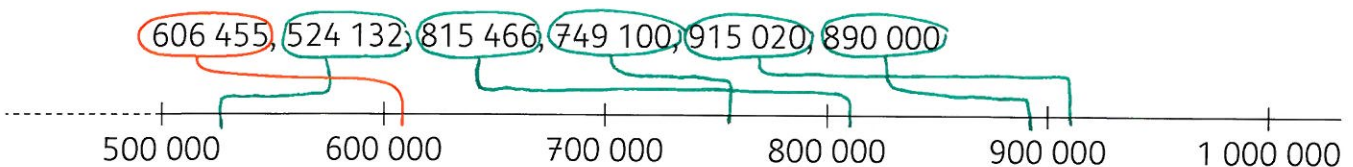
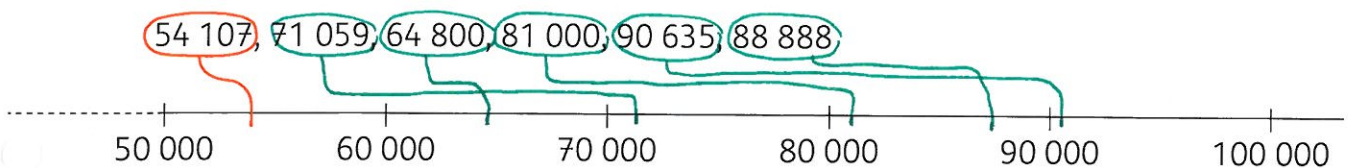
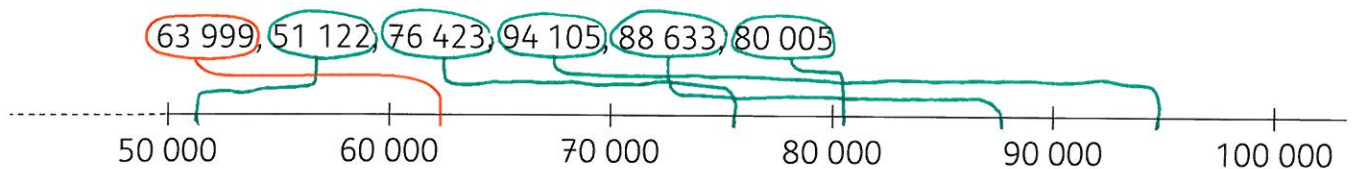
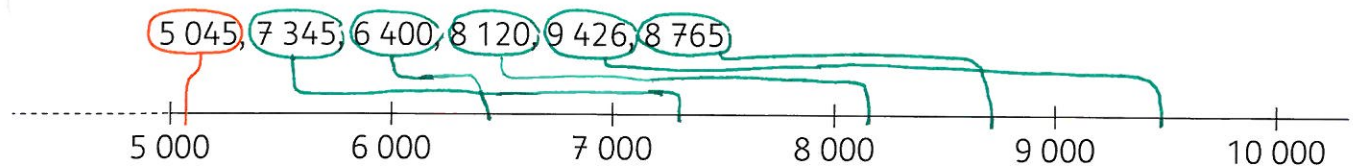
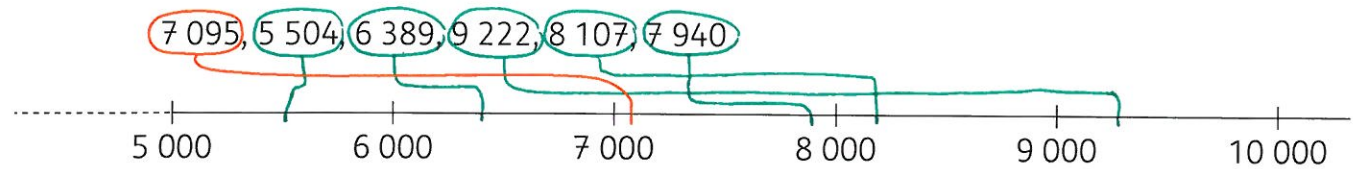
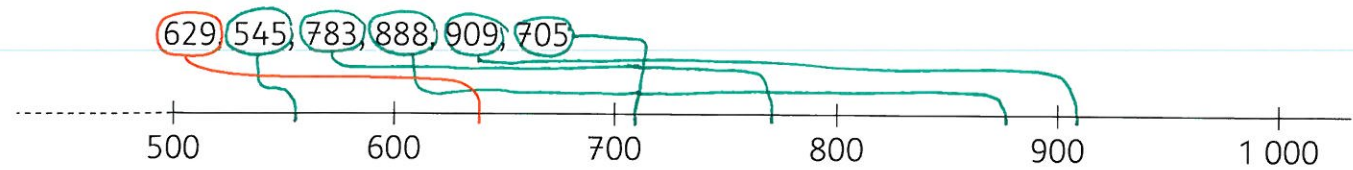


## Zahlen am Rechenstrich ordnen

Ordne die Zahlen ungefähr ein.









## Rechnen mit Stufenzahlen

Wichtige Aufgaben.

1

$$\begin{array}{rcl} 1\,000 - & 1 = & 999 \\ 1\,000 - & 10 = & 990 \\ 1\,000 - & 100 = & 900 \\ 1\,000 - & 1\,000 = & 0 \end{array}$$

2



$$\begin{array}{rcl} 5\,000 = & 4\,000 + 1\,000 \\ 5\,000 - & 1 = & 4\,999 \\ 5\,000 - & 10 = & 4\,990 \\ 5\,000 - & 100 = & 4\,900 \\ 5\,000 - & 1\,000 = & 4\,000 \end{array}$$

3

$$\begin{array}{rcl} 10\,000 = & 9\,000 + 1\,000 \\ 10\,000 - & 1 = & 9\,999 \\ 10\,000 - & 10 = & 9\,990 \\ 10\,000 - & 100 = & 9\,900 \\ 10\,000 - & 1\,000 = & 9\,000 \\ 10\,000 - & 10\,000 = & 0 \end{array}$$

4

$$\begin{array}{rcl} 20\,000 = & 19\,000 + 1\,000 \\ 20\,000 - & 1 = & 19\,999 \\ 20\,000 - & 10 = & 19\,990 \\ 20\,000 - & 100 = & 19\,900 \\ 20\,000 - & 1\,000 = & 19\,000 \\ 20\,000 - & 10\,000 = & 10\,000 \end{array}$$

5

$$\begin{array}{rcl} 100\,000 = & 99\,000 + 1\,000 \\ 100\,000 - & 1 = & 99\,999 \\ 100\,000 - & 10 = & 99\,990 \\ 100\,000 - & 100 = & 99\,900 \\ 100\,000 - & 1\,000 = & 99\,000 \\ 100\,000 - & 10\,000 = & 90\,000 \\ 100\,000 - & 100\,000 = & 0 \end{array}$$

6

$$\begin{array}{rcl} 400\,000 = & 399\,000 + 1\,000 \\ 400\,000 - & 1 = & 399\,999 \\ 400\,000 - & 10 = & 399\,990 \\ 400\,000 - & 100 = & 399\,900 \\ 400\,000 - & 1\,000 = & 399\,000 \\ 400\,000 - & 10\,000 = & 390\,000 \\ 400\,000 - & 100\,000 = & 300\,000 \end{array}$$

7

$$\begin{array}{rcl} 1\,000\,000 = & 999\,000 + 1\,000 \\ 1\,000\,000 - & 1 = & 999\,999 \\ 1\,000\,000 - & 10 = & 999\,990 \\ 1\,000\,000 - & 100 = & 999\,900 \\ 1\,000\,000 - & 1\,000 = & 999\,000 \\ 1\,000\,000 - & 10\,000 = & 990\,000 \\ 1\,000\,000 - & 100\,000 = & 900\,000 \\ 1\,000\,000 - & 1\,000\,000 = & 0 \end{array}$$

8

Vermischte Aufgaben.

$$\begin{array}{rcl} 100\,000 - & 100 = & 99\,900 \\ 10\,000 - & 10 = & 9\,990 \\ 10\,000 - & 100 = & 9\,900 \\ 100\,000 - & 10 = & 99\,990 \\ 1\,000\,000 - & 100 = & 999\,900 \\ 1\,000\,000 - & 10 = & 999\,990 \end{array}$$



## Einfache Additions- und Subtraktionsaufgaben



1  $7\,869 + 1 = 7\,870$   
 $7\,869 + 10 = 7\,879$   
 $7\,869 + 100 = 7\,969$   
 $7\,869 + 1\,000 = 8\,869$   
 $7\,869 + 10\,000 = 17\,869$

2  $7\,869 - 1 = 7\,868$   
 $7\,869 - 10 = 7\,859$   
 $7\,869 - 100 = 7\,769$   
 $7\,869 - 1\,000 = 6\,869$

3  $9\,555 + 5 = 9\,560$   
 $9\,555 + 50 = 9\,605$   
 $9\,555 + 500 = 10\,055$   
 $9\,555 + 5\,000 = 14\,555$   
 $9\,555 + 50\,000 = 59\,555$

4  $9\,555 - 5 = 9\,550$   
 $9\,555 - 50 = 9\,505$   
 $9\,555 - 500 = 9\,055$   
 $9\,555 - 5\,000 = 4\,555$

5  $8\,764 + 7 = 8\,771$   
 $8\,764 + 70 = 8\,834$   
 $8\,764 + 700 = 9\,464$   
 $8\,764 + 7\,000 = 15\,764$   
 $8\,764 + 70\,000 = 78\,764$

6  $8\,764 - 7 = 8\,757$   
 $8\,764 - 70 = 8\,694$   
 $8\,764 - 700 = 8\,064$   
 $8\,764 - 7\,000 = 1\,764$

7  $43\,210 + 4 = 43\,214$   
 $43\,210 + 40 = 43\,250$   
 $43\,210 + 400 = 43\,610$   
 $43\,210 + 4\,000 = 47\,210$   
 $43\,210 + 40\,000 = 83\,210$

8  $43\,210 - 4 = 43\,206$   
 $43\,210 - 40 = 43\,170$   
 $43\,210 - 400 = 42\,810$   
 $43\,210 - 4\,000 = 39\,210$   
 $43\,210 - 40\,000 = 3\,210$

9  $11\,111 + 8 = 11\,119$   
 $11\,111 + 80 = 11\,191$   
 $11\,111 + 800 = 11\,911$   
 $11\,111 + 8\,000 = 19\,111$   
 $11\,111 + 80\,000 = 91\,111$

10  $11\,111 - 1 = 11\,110$   
 $11\,111 - 10 = 11\,101$   
 $11\,111 - 100 = 11\,011$   
 $11\,111 - 1\,000 = 10\,111$   
 $11\,111 - 10\,000 = 1\,111$

11  $11\,111 + 9 = 11\,120$   
 $11\,111 + 90 = 11\,201$   
 $11\,111 + 900 = 12\,011$   
 $11\,111 + 9\,000 = 20\,111$   
 $11\,111 + 90\,000 = 101\,111$

12  $11\,111 - 2 = 11\,109$   
 $11\,111 - 20 = 11\,091$   
 $11\,111 - 200 = 10\,911$   
 $11\,111 - 2\,000 = 9\,111$



## Einfache Additions- und Subtraktionsaufgaben

1

$$\begin{array}{rcl} 400 + & 500 = & 900 \\ 4\,000 + & 5\,000 = & 9\,000 \\ 4\,000 + & 500 = & 4\,500 \\ 5\,000 + & 400 = & 5\,400 \\ 500 + & 500 = & 1\,000 \\ 5\,000 + & 500 = & 5\,500 \end{array}$$

2

$$\begin{array}{rcl} 500 - & 400 = & 100 \\ 5\,000 - & 4\,000 = & 1\,000 \\ 4\,000 - & 500 = & 3\,500 \\ 5\,000 - & 400 = & 4\,600 \\ 5\,000 - & 5\,000 = & 0 \\ 5\,000 - & 500 = & 4\,500 \end{array}$$

3

$$\begin{array}{rcl} 800 + & 600 = & 1\,400 \\ 8\,000 + & 6\,000 = & 14\,000 \\ 8\,000 + & 600 = & 8\,600 \\ 6\,000 + & 800 = & 6\,800 \\ 600 + & 600 = & 1\,200 \\ 6\,000 + & 6\,000 = & 12\,000 \end{array}$$

4

$$\begin{array}{rcl} 800 - & 600 = & 200 \\ 8\,000 - & 6\,000 = & 2\,000 \\ 8\,000 - & 600 = & 7\,400 \\ 6\,000 - & 800 = & 5\,200 \\ 8\,000 - & 8\,000 = & 0 \\ 8\,000 - & 800 = & 7\,200 \end{array}$$

5

$$\begin{array}{rcl} 40\,000 + & 50\,000 = & 90\,000 \\ 40\,000 + & 5\,000 = & 45\,000 \\ 50\,000 + & 4\,000 = & 54\,000 \\ 400\,000 + & 5\,000 = & 405\,000 \\ 400\,000 + & 50\,000 = & 450\,000 \\ 400\,000 + & 500\,000 = & 900\,000 \end{array}$$

6

$$\begin{array}{rcl} 50\,000 - & 40\,000 = & 10\,000 \\ 40\,000 - & 5\,000 = & 35\,000 \\ 50\,000 - & 4\,000 = & 46\,000 \\ 400\,000 - & 5\,000 = & 395\,000 \\ 400\,000 - & 50\,000 = & 350\,000 \\ 500\,000 - & 400\,000 = & 100\,000 \end{array}$$

7

$$\begin{array}{rcl} 80\,000 + & 60\,000 = & 140\,000 \\ 80\,000 + & 6\,000 = & 86\,000 \\ 60\,000 + & 8\,000 = & 68\,000 \\ 600\,000 + & 8\,000 = & 608\,000 \\ 600\,000 + & 80\,000 = & 680\,000 \\ 800\,000 + & 60\,000 = & 860\,000 \end{array}$$

8

$$\begin{array}{rcl} 80\,000 - & 60\,000 = & 20\,000 \\ 80\,000 - & 6\,000 = & 74\,000 \\ 60\,000 - & 8\,000 = & 52\,000 \\ 800\,000 - & 600\,000 = & 200\,000 \\ 800\,000 - & 60\,000 = & 740\,000 \\ 800\,000 - & 80\,000 = & 720\,000 \end{array}$$

9

$$\begin{array}{rcl} 90\,000 + & 30\,000 = & 120\,000 \\ 90\,000 + & 3\,000 = & 93\,000 \\ 90\,000 + & 300 = & 90\,300 \\ 9\,000 + & 30\,000 = & 39\,000 \\ 900 + & 30\,000 = & 30\,900 \\ 900\,000 + & 3\,000 = & 903\,000 \end{array}$$

10

$$\begin{array}{rcl} 90\,000 - & 30\,000 = & 60\,000 \\ 90\,000 - & 3\,000 = & 87\,000 \\ 90\,000 - & 300 = & 89\,700 \\ 30\,000 - & 9\,000 = & 21\,000 \\ 30\,000 - & 900 = & 29\,100 \\ 900\,000 - & 3\,000 = & 897\,000 \end{array}$$



# Einfache Additions- und Subtraktionsaufgaben



Mit Tausendern rechnen wie mit Einern.



**11** a)  $120 + 290 = 410$   
 $230 + 420 = 650$   
 $610 + 190 = 800$   
 $540 + 370 = 910$   
 $50 + 730 = 780$

b)  $120\ 000 + 290\ 000 = 410\ 000$   
 $230\ 000 + 420\ 000 = 650\ 000$   
 $610\ 000 + 190\ 000 = 800\ 000$   
 $540\ 000 + 370\ 000 = 910\ 000$   
 $50\ 000 + 730\ 000 = 780\ 000$

**12** a)  $417 + 103 = 520$   
 $256 + 124 = 380$   
 $165 + 205 = 370$   
 $703 + 97 = 800$   
 $641 + 129 = 770$

b)  $417\ 000 + 103\ 000 = 520\ 000$   
 $256\ 000 + 124\ 000 = 380\ 000$   
 $165\ 000 + 205\ 000 = 370\ 000$   
 $703\ 000 + 97\ 000 = 800\ 000$   
 $641\ 000 + 129\ 000 = 770\ 000$

**13** a)  $290 - 120 = 170$   
 $420 - 230 = 190$   
 $610 - 190 = 420$   
 $540 - 370 = 170$   
 $730 - 50 = 680$

b)  $290\ 000 - 120\ 000 = 170\ 000$   
 $420\ 000 - 230\ 000 = 190\ 000$   
 $610\ 000 - 190\ 000 = 420\ 000$   
 $540\ 000 - 370\ 000 = 170\ 000$   
 $730\ 000 - 50\ 000 = 680\ 000$

**14** a)  $417 - 103 = 314$   
 $256 - 124 = 132$   
 $205 - 165 = 40$   
 $703 - 97 = 606$   
 $641 - 129 = 512$

b)  $417\ 000 - 103\ 000 = 314\ 000$   
 $256\ 000 - 124\ 000 = 132\ 000$   
 $205\ 000 - 165\ 000 = 40\ 000$   
 $703\ 000 - 97\ 000 = 606\ 000$   
 $641\ 000 - 129\ 000 = 512\ 000$

**15** a)  $453 + 160 = 613$   
 $453 - 160 = 293$   
 $811 + 120 = 931$   
 $811 - 120 = 691$   
 $516 + 407 = 923$   
 $516 - 407 = 109$

b)  $453\ 000 + 160\ 000 = 613\ 000$   
 $453\ 000 - 160\ 000 = 293\ 000$   
 $811\ 000 + 120\ 000 = 931\ 000$   
 $811\ 000 - 120\ 000 = 691\ 000$   
 $516\ 000 + 407\ 000 = 923\ 000$   
 $516\ 000 - 407\ 000 = 109\ 000$



## Verdoppeln

|   |              |       |        |        |        |        |
|---|--------------|-------|--------|--------|--------|--------|
| 1 | Zahl         | 4 000 | 5 000  | 6 000  | 7 000  | 8 000  |
|   | das Doppelte | 8000  | 10 000 | 12 000 | 14 000 | 16 000 |

|   |              |       |       |       |       |       |
|---|--------------|-------|-------|-------|-------|-------|
| 2 | Zahl         | 1 300 | 1 500 | 1 700 | 1 900 | 2 100 |
|   | das Doppelte | 2600  | 3000  | 3400  | 3800  | 4200  |

|   |              |       |       |        |        |        |
|---|--------------|-------|-------|--------|--------|--------|
| 3 | Zahl         | 2 500 | 3 500 | 5 500  | 7 500  | 8 500  |
|   | das Doppelte | 5000  | 7000  | 11 000 | 15 000 | 17 000 |

|   |              |        |        |        |        |         |
|---|--------------|--------|--------|--------|--------|---------|
| 4 | Zahl         | 10 000 | 15 000 | 30 000 | 45 000 | 50 000  |
|   | das Doppelte | 20 000 | 30 000 | 60 000 | 90 000 | 100 000 |

|   |              |        |        |        |        |         |
|---|--------------|--------|--------|--------|--------|---------|
| 5 | Zahl         | 12 000 | 23 000 | 34 000 | 49 000 | 51 000  |
|   | das Doppelte | 24 000 | 46 000 | 68 000 | 98 000 | 102 000 |

|   |              |         |         |         |         |         |
|---|--------------|---------|---------|---------|---------|---------|
| 6 | Zahl         | 70 000  | 74 000  | 83 000  | 88 000  | 99 000  |
|   | das Doppelte | 140 000 | 148 000 | 166 000 | 176 000 | 198 000 |

|   |              |         |         |         |         |         |
|---|--------------|---------|---------|---------|---------|---------|
| 7 | Zahl         | 56 000  | 64 000  | 65 000  | 67 000  | 85 000  |
|   | das Doppelte | 112 000 | 128 000 | 130 000 | 134 000 | 170 000 |

|   |              |         |         |         |         |         |
|---|--------------|---------|---------|---------|---------|---------|
| 8 | Zahl         | 140 000 | 150 000 | 250 000 | 280 000 | 320 000 |
|   | das Doppelte | 280 000 | 300 000 | 500 000 | 560 000 | 640 000 |

|   |              |       |       |       |       |        |
|---|--------------|-------|-------|-------|-------|--------|
| 9 | Zahl         | 1 250 | 2 350 | 4 900 | 5 300 | 5 500  |
|   | das Doppelte | 2500  | 4700  | 9800  | 10600 | 11 000 |





|   |            |        |       |       |       |       |
|---|------------|--------|-------|-------|-------|-------|
| 1 | Zahl       | 10 000 | 8 000 | 6 000 | 4 000 | 2 000 |
|   | die Hälfte | 5 000  | 4 000 | 3 000 | 2 000 | 1 000 |

|   |            |       |       |       |       |       |
|---|------------|-------|-------|-------|-------|-------|
| 2 | Zahl       | 8 600 | 6 800 | 4 500 | 4 900 | 2 700 |
|   | die Hälfte | 4 300 | 3 400 | 2 250 | 2 450 | 1 350 |

|   |            |       |       |       |       |       |
|---|------------|-------|-------|-------|-------|-------|
| 3 | Zahl       | 7 000 | 5 000 | 9 000 | 9 200 | 9 400 |
|   | die Hälfte | 3 500 | 2 500 | 4 500 | 4 600 | 4 700 |

|   |            |        |        |        |        |        |
|---|------------|--------|--------|--------|--------|--------|
| 4 | Zahl       | 18 000 | 16 000 | 14 000 | 24 000 | 36 000 |
|   | die Hälfte | 9 000  | 8 000  | 7 000  | 12 000 | 18 000 |

|   |            |        |        |        |        |        |
|---|------------|--------|--------|--------|--------|--------|
| 5 | Zahl       | 84 000 | 78 000 | 66 000 | 64 000 | 65 000 |
|   | die Hälfte | 42 000 | 39 000 | 33 000 | 32 000 | 32 500 |

|   |            |       |       |       |       |       |
|---|------------|-------|-------|-------|-------|-------|
| 6 | Zahl       | 3 000 | 3 200 | 3 400 | 7 200 | 7 600 |
|   | die Hälfte | 1 500 | 1 600 | 1 700 | 3 600 | 3 800 |

|   |            |         |         |         |         |         |
|---|------------|---------|---------|---------|---------|---------|
| 7 | Zahl       | 180 000 | 188 000 | 190 000 | 166 000 | 110 000 |
|   | die Hälfte | 90 000  | 94 000  | 95 000  | 83 000  | 55 000  |

|   |            |         |         |         |         |         |
|---|------------|---------|---------|---------|---------|---------|
| 8 | Zahl       | 120 000 | 130 000 | 150 000 | 450 000 | 490 000 |
|   | die Hälfte | 60 000  | 65 000  | 75 000  | 225 000 | 245 000 |

|   |            |         |         |         |         |         |
|---|------------|---------|---------|---------|---------|---------|
| 9 | Zahl       | 960 000 | 860 000 | 760 000 | 660 000 | 560 000 |
|   | die Hälfte | 480 000 | 430 000 | 380 000 | 330 000 | 280 000 |



## Einmaleins mit großen Zahlen

1

|                                  | HT | ZT | T | H | Z | E |                              |
|----------------------------------|----|----|---|---|---|---|------------------------------|
| $7 \cdot 8 = 7 \cdot 8 E$        |    |    |   |   | 5 | 6 | $7 \cdot 8 = 56$             |
| $7 \cdot 8\,000 = 7 \cdot 8 T$   |    | 5  | 6 |   |   |   | $7 \cdot 8\,000 = 56\,000$   |
| $7 \cdot 80 = 7 \cdot 8 Z$       |    |    |   | 5 | 6 |   | $7 \cdot 80 = 560$           |
| $7 \cdot 800 = 7 \cdot 8 H$      |    |    | 5 | 6 |   |   | $7 \cdot 800 = 5600$         |
| $7 \cdot 80\,000 = 7 \cdot 8 ZT$ | 5  | 6  |   |   |   |   | $7 \cdot 80\,000 = 560\,000$ |

2

|                                  | HT | ZT | T | H | Z | E |                              |
|----------------------------------|----|----|---|---|---|---|------------------------------|
| $9 \cdot 7 = 9 \cdot 7 E$        |    |    |   |   | 6 | 3 | $9 \cdot 7 = 63$             |
| $9 \cdot 70 = 9 \cdot 7 Z$       |    |    |   | 6 | 3 |   | $9 \cdot 70 = 630$           |
| $9 \cdot 700 = 9 \cdot 7 H$      |    |    | 6 | 3 |   |   | $9 \cdot 700 = 6\,300$       |
| $9 \cdot 7\,000 = 9 \cdot 7 T$   |    | 6  | 3 |   |   |   | $9 \cdot 7\,000 = 63\,000$   |
| $9 \cdot 70\,000 = 9 \cdot 7 ZT$ | 6  | 3  |   |   |   |   | $9 \cdot 70\,000 = 630\,000$ |

3

|                                  | HT | ZT | T | H | Z | E |                              |
|----------------------------------|----|----|---|---|---|---|------------------------------|
| $5 \cdot 600 = 5 \cdot 6 H$      |    |    | 3 | 0 |   |   | $5 \cdot 600 = 3\,000$       |
| $5 \cdot 60 = 5 \cdot 6 Z$       |    |    |   | 3 | 0 |   | $5 \cdot 60 = 300$           |
| $5 \cdot 6\,000 = 5 \cdot 6 T$   |    | 3  | 0 |   |   |   | $5 \cdot 6\,000 = 30\,000$   |
| $5 \cdot 60\,000 = 5 \cdot 6 ZT$ | 3  | 0  |   |   |   |   | $5 \cdot 60\,000 = 300\,000$ |
| $6 \cdot 500 = 6 \cdot 5 H$      |    |    | 3 | 0 |   |   | $6 \cdot 500 = 3\,000$       |

4

|                                  | HT | ZT | T | H | Z | E |                              |
|----------------------------------|----|----|---|---|---|---|------------------------------|
| $4 \cdot 4\,000 = 4 \cdot 4 T$   |    | 1  | 6 |   |   |   | $4 \cdot 4\,000 = 16\,000$   |
| $4 \cdot 40\,000 = 4 \cdot 4 ZT$ | 1  | 6  |   |   |   |   | $4 \cdot 40\,000 = 160\,000$ |
| $4 \cdot 400 = 4 \cdot 4 H$      |    |    | 1 | 6 |   |   | $4 \cdot 400 = 1\,600$       |
| $4 \cdot 40 = 4 \cdot 4 Z$       |    |    |   | 1 | 6 |   | $4 \cdot 40 = 160$           |
| $4\,000 \cdot 4 = 4 T \cdot 4$   |    | 1  | 6 |   |   |   | $4\,000 \cdot 4 = 16\,000$   |



# Einmaleins auch umgekehrt mit großen Zahlen



1 a)

|       |     |
|-------|-----|
| 3 600 |     |
| 4 ·   | 900 |
| 6 ·   | 600 |
| 9 ·   | 400 |
| 10 ·  | 360 |

b)

|       |      |
|-------|------|
| 4 800 |      |
| 2 ·   | 2400 |
| 6 ·   | 800  |
| 8 ·   | 600  |
| 10 ·  | 480  |

c)

|       |      |
|-------|------|
| 2 000 |      |
| 2 ·   | 1000 |
| 4 ·   | 500  |
| 5 ·   | 400  |
| 10 ·  | 200  |

d)

|       |      |
|-------|------|
| 4 000 |      |
| 4 ·   | 1000 |
| 8 ·   | 500  |
| 5 ·   | 800  |
| 10 ·  | 400  |

2 a)

|       |      |
|-------|------|
| 2 800 |      |
| 2 ·   | 1400 |
| 4 ·   | 700  |
| 7 ·   | 400  |
| 10 ·  | 280  |

b)

|       |      |
|-------|------|
| 3 000 |      |
| 2 ·   | 1500 |
| 3 ·   | 1000 |
| 5 ·   | 600  |
| 6 ·   | 500  |

c)

|       |      |
|-------|------|
| 2 400 |      |
| 2 ·   | 1200 |
| 4 ·   | 600  |
| 6 ·   | 400  |
| 8 ·   | 300  |

d)

|       |      |
|-------|------|
| 7 200 |      |
| 2 ·   | 3600 |
| 8 ·   | 900  |
| 9 ·   | 800  |
| 10 ·  | 720  |

3 a)

|        |      |
|--------|------|
| 12 000 |      |
| 3 ·    | 4000 |
| 4 ·    | 3000 |
| 6 ·    | 2000 |
| 10 ·   | 1200 |

b)

|        |      |
|--------|------|
| 16 000 |      |
| 2 ·    | 8000 |
| 4 ·    | 4000 |
| 8 ·    | 2000 |
| 10 ·   | 1600 |

c)

|        |       |
|--------|-------|
| 27 000 |       |
| 2 ·    | 13500 |
| 3 ·    | 9000  |
| 9 ·    | 3000  |
| 10 ·   | 2700  |

d)

|        |       |
|--------|-------|
| 30 000 |       |
| 2 ·    | 15000 |
| 5 ·    | 6000  |
| 6 ·    | 5000  |
| 10 ·   | 3000  |

4 a)

|        |       |
|--------|-------|
| 32 000 |       |
| 2 ·    | 16000 |
| 4 ·    | 8000  |
| 8 ·    | 4000  |
| 10 ·   | 3200  |

b)

|        |       |
|--------|-------|
| 40 000 |       |
| 4 ·    | 10000 |
| 8 ·    | 5000  |
| 5 ·    | 8000  |
| 10 ·   | 4000  |

c)

|        |      |
|--------|------|
| 18 000 |      |
| 2 ·    | 9000 |
| 3 ·    | 6000 |
| 6 ·    | 3000 |
| 9 ·    | 2000 |

d)

|        |       |
|--------|-------|
| 42 000 |       |
| 2 ·    | 21000 |
| 6 ·    | 7000  |
| 7 ·    | 6000  |
| 10 ·   | 4200  |



## Einmaleins auch umgekehrt mit großen Zahlen

| 1 | Multiplikationsaufgabe     | Umkehraufgaben         |                        |
|---|----------------------------|------------------------|------------------------|
|   | $8 \cdot 4\,000 = 32\,000$ | $32\,000 : 8 = 4\,000$ | $32\,000 : 4\,000 = 8$ |
|   | $6 \cdot 600 = 3\,600$     | $3\,600 : 6 = 600$     | $3\,600 : 600 = 6$     |
|   | $7 \cdot 700 = 4\,900$     | $4\,900 : 7 = 700$     | $4\,900 : 700 = 7$     |

| 2 | Multiplikationsaufgabe     | Umkehraufgaben         |                        |
|---|----------------------------|------------------------|------------------------|
|   | $3 \cdot 300 = 900$        | $900 : 3 = 300$        | $900 : 300 = 3$        |
|   | $5 \cdot 2\,000 = 10\,000$ | $10\,000 : 5 = 2\,000$ | $10\,000 : 2\,000 = 5$ |
|   | $3 \cdot 9\,000 = 27\,000$ | $27\,000 : 3 = 9\,000$ | $27\,000 : 9\,000 = 3$ |

| 3 | Multiplikationsaufgabe | Umkehraufgaben     |                    |
|---|------------------------|--------------------|--------------------|
|   | $8 \cdot 800 = 6\,400$ | $6\,400 : 8 = 800$ | $6\,400 : 800 = 8$ |
|   | $80 \cdot 8 = 640$     | $640 : 80 = 8$     | $640 : 8 = 80$     |
|   | $8 \cdot 500 = 4\,000$ | $4\,000 : 8 = 500$ | $4\,000 : 500 = 8$ |

| 4 | Multiplikationsaufgabe     | Umkehraufgaben         |                        |
|---|----------------------------|------------------------|------------------------|
|   | $7 \cdot 6\,000 = 42\,000$ | $42\,000 : 7 = 6\,000$ | $42\,000 : 6\,000 = 7$ |
|   | $4 \cdot 800 = 3\,200$     | $3\,200 : 4 = 800$     | $3\,200 : 800 = 4$     |
|   | $7 \cdot 9\,000 = 63\,000$ | $63\,000 : 7 = 9\,000$ | $63\,000 : 9\,000 = 7$ |

| 5 | Multiplikationsaufgabe     | Umkehraufgaben         |                        |
|---|----------------------------|------------------------|------------------------|
|   | $9 \cdot 900 = 8\,100$     | $8\,100 : 9 = 900$     | $8\,100 : 900 = 9$     |
|   | $4 \cdot 3\,000 = 12\,000$ | $12\,000 : 4 = 3\,000$ | $12\,000 : 3\,000 = 4$ |
|   | $6 \cdot 300 = 1\,800$     | $1\,800 : 6 = 300$     | $1\,800 : 300 = 6$     |

| 6 | Multiplikationsaufgabe     | Umkehraufgaben         |                        |
|---|----------------------------|------------------------|------------------------|
|   | $5 \cdot 4\,000 = 20\,000$ | $20\,000 : 5 = 4\,000$ | $20\,000 : 4\,000 = 5$ |
|   | $3 \cdot 900 = 2\,700$     | $2\,700 : 3 = 900$     | $2\,700 : 900 = 3$     |
|   | $9 \cdot 5\,000 = 45\,000$ | $45\,000 : 9 = 5\,000$ | $45\,000 : 5\,000 = 9$ |