



Verstehen und Trainieren 1

Grundlegung des Blitzrechnens

Lösungen

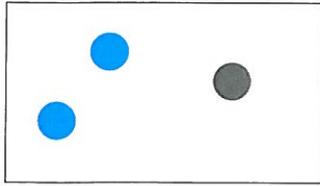
von Erich Ch. Wittmann und Gerhard N. Müller



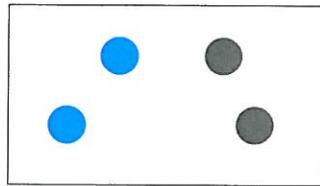
Ernst Klett Verlag
Stuttgart · Leipzig

Wie viele?

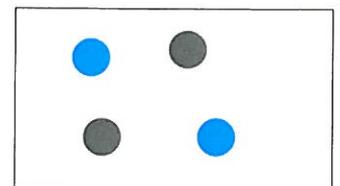
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$$\begin{array}{r} 2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \hline \end{array} \\ \text{Zusammen: } \underline{3}$$

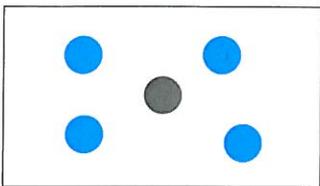


$$\begin{array}{r} 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array} \\ \text{Zusammen: } \underline{4}$$

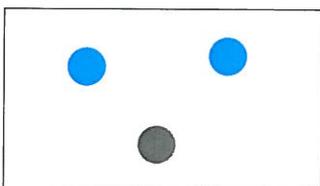


$$\begin{array}{r} 2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ \hline \end{array} \\ \text{Zusammen: } \underline{4}$$

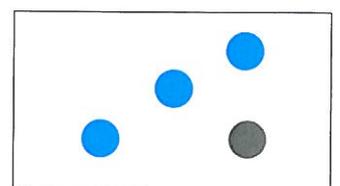
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$$\begin{array}{r} 4 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \hline \end{array} \\ \text{Zusammen: } \underline{5}$$

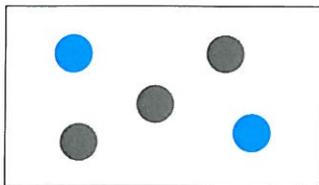


$$\begin{array}{r} 2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \hline \end{array} \\ \text{Zusammen: } \underline{3}$$

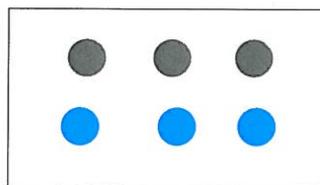


$$\begin{array}{r} 3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ \hline \end{array} \\ \text{Zusammen: } \underline{4}$$

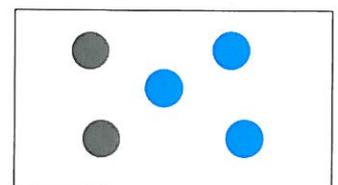
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$$\begin{array}{r} 2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \hline \end{array} \\ \text{Zusammen: } \underline{5}$$

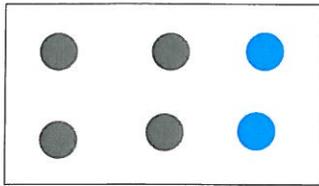


$$\begin{array}{r} 3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \hline \end{array} \\ \text{Zusammen: } \underline{6}$$

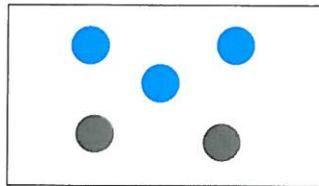


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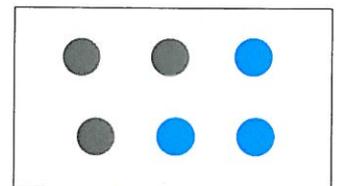
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$$\begin{array}{r} 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ \hline \end{array} \\ \text{Zusammen: } \underline{6}$$



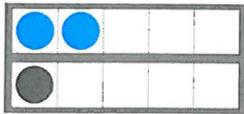
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$$\begin{array}{r} 3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ \hline \end{array} \\ \text{Zusammen: } \underline{6}$$

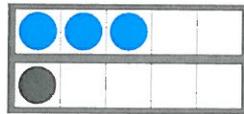
Wie viele?

1



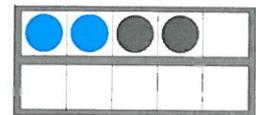
$$\underline{2} \cdot \underline{1} \cdot$$

Zusammen: 3



$$\underline{3} \cdot \underline{1} \cdot$$

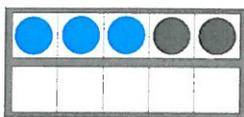
Zusammen: 4



$$\underline{2} \cdot \underline{2} \cdot$$

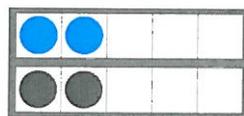
Zusammen: 4

2



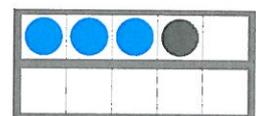
$$\underline{3} \cdot \underline{2} \cdot$$

Zusammen: 5



$$\underline{2} \cdot \underline{2} \cdot$$

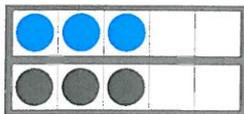
Zusammen: 4



$$\underline{3} \cdot \underline{1} \cdot$$

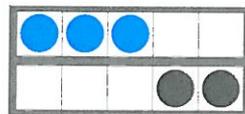
Zusammen: 4

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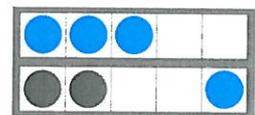
$$\underline{3} \cdot \underline{3} \cdot$$

Zusammen: 6



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

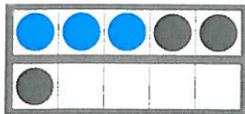
Zusammen: 5



$$\underline{4} \cdot \underline{2} \cdot$$

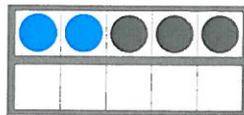
Zusammen: 6

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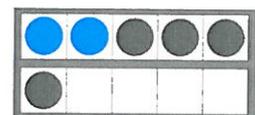
$$\underline{3} \cdot \underline{3} \cdot$$

Zusammen: 6



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

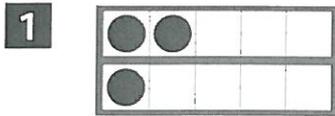
Zusammen: 5



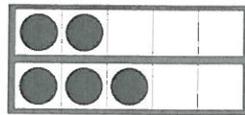
$$\underline{2} \cdot \underline{4} \cdot$$

Zusammen: 6

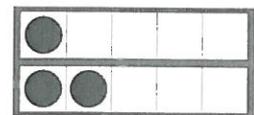
Wie viele?



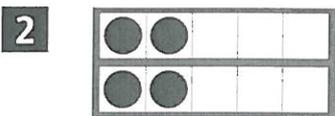
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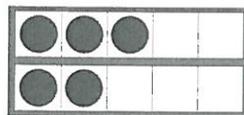
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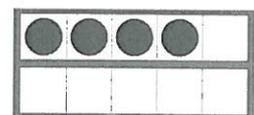
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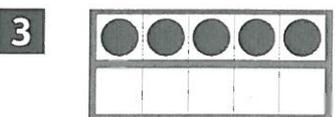
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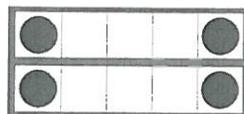
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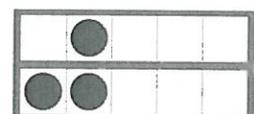
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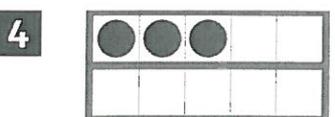
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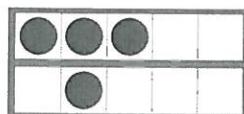
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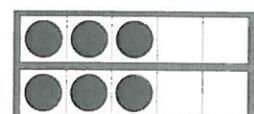
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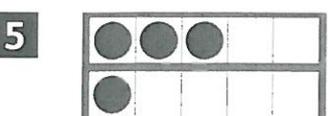
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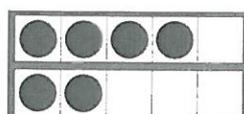
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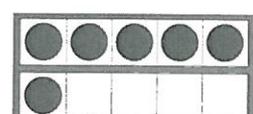
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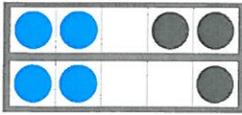
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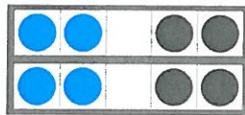
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Wie viele?

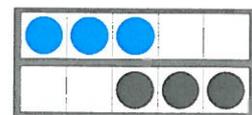
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4 ♥ 3 ♥
Zusammen: 7

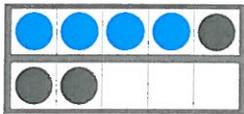


4 ♥ 4 ♥
Zusammen: 8

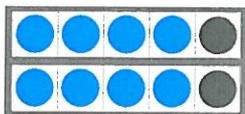


3 ♥ 3 ♥
Zusammen: 6

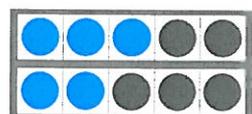
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4 ♥ 3 ♥
Zusammen: 7

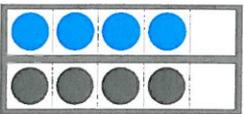


8 ♥ 2 ♥
Zusammen: 10

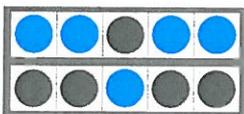


5 ♥ 5 ♥
Zusammen: 10

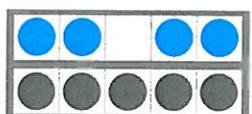
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Zusammen: 8

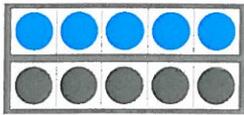


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Zusammen: 10

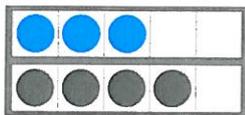


4 ♥ 5 ♥
Zusammen: 9

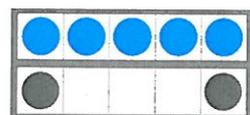
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Zusammen: 10



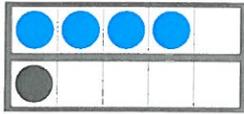
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Zusammen: 7



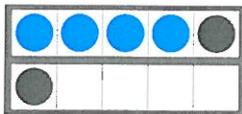
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Zusammen: 7

Wie viele?

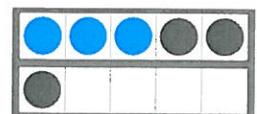
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4 ♥ 1 ♥
Zusammen: 5

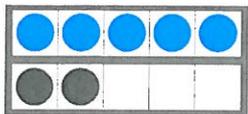


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Zusammen: 6

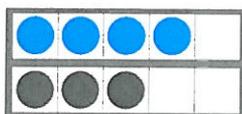


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Zusammen: 6

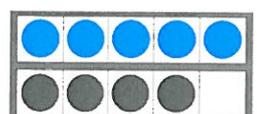
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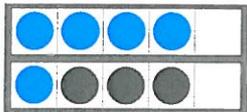


4 ♥ 3 ♥
Zusammen: 7

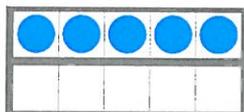


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Zusammen: 9

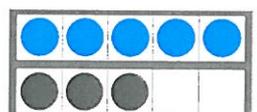
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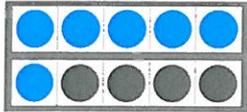


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Zusammen: 5

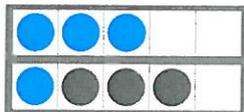


5 ♥ 3 ♥
Zusammen: 8

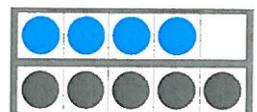
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6 ♥ 4 ♥
Zusammen: 10

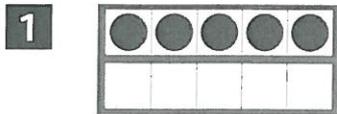


4 ♥ 3 ♥
Zusammen: 7

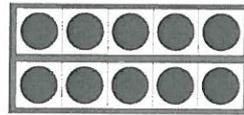


4 ♥ 5 ♥
Zusammen: 9

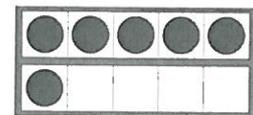
Wie viele?



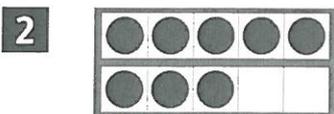
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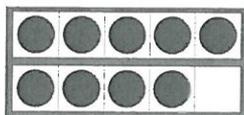
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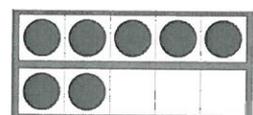
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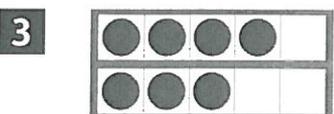
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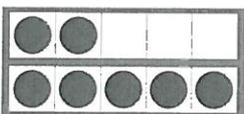
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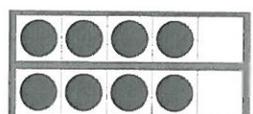
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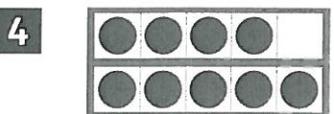
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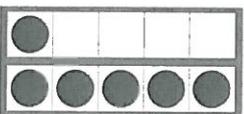
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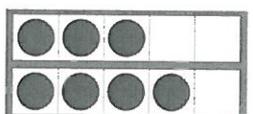
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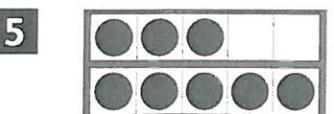
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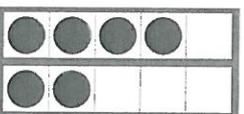
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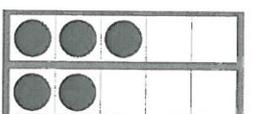
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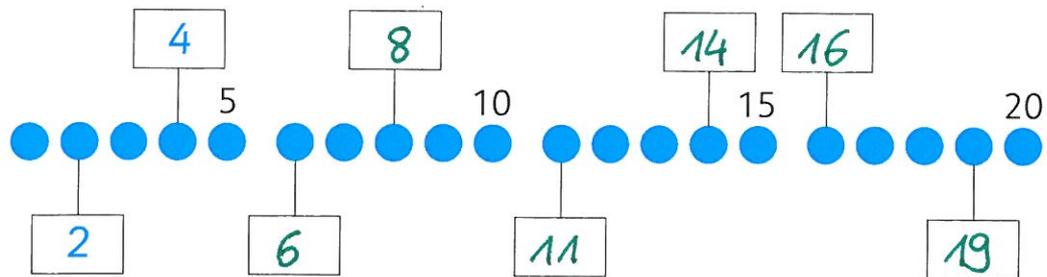
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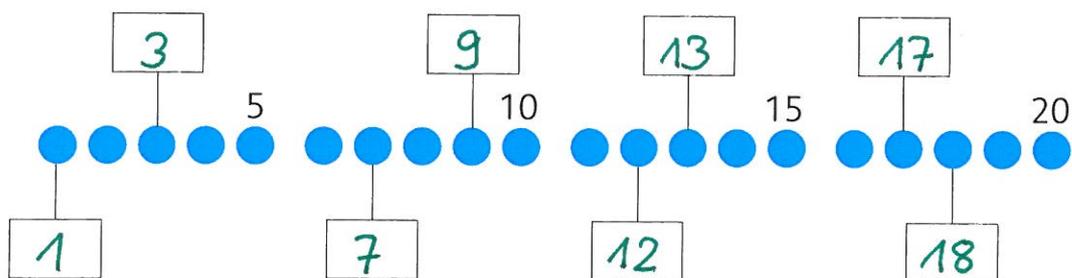
5

Zahlenreihe

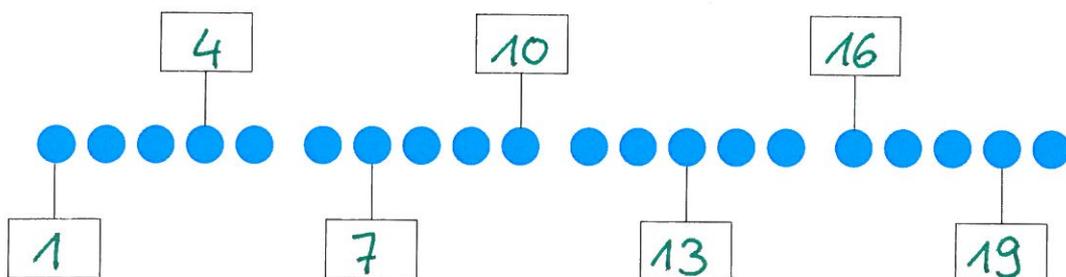
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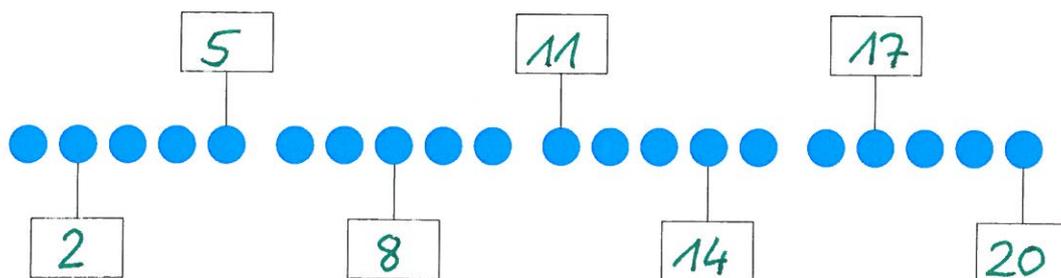
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3

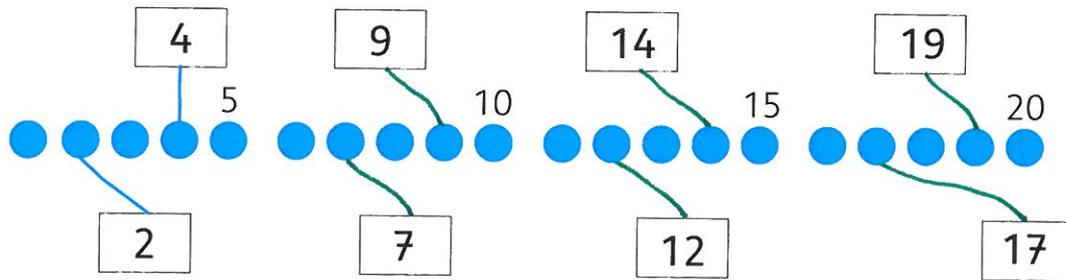


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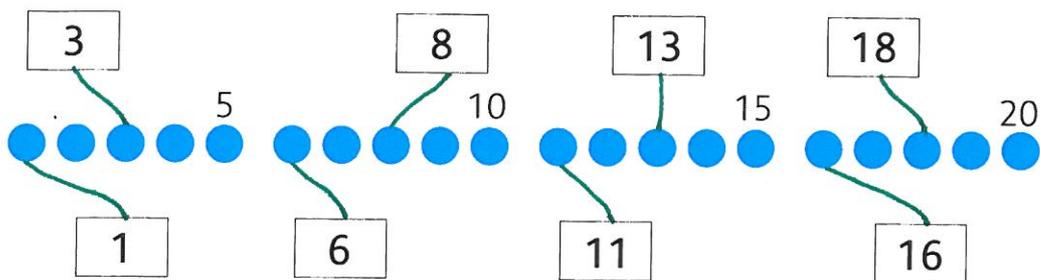


Zahlenreihe

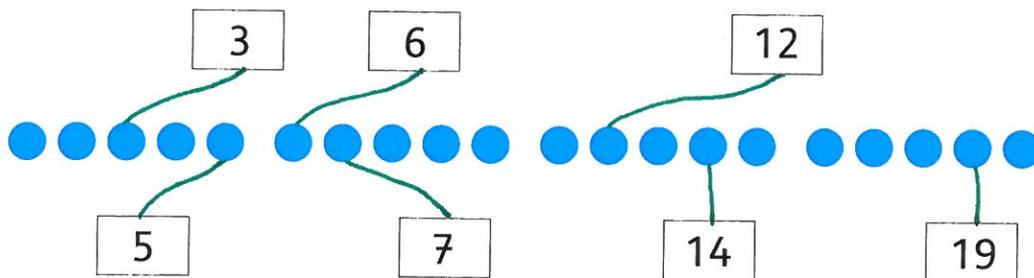
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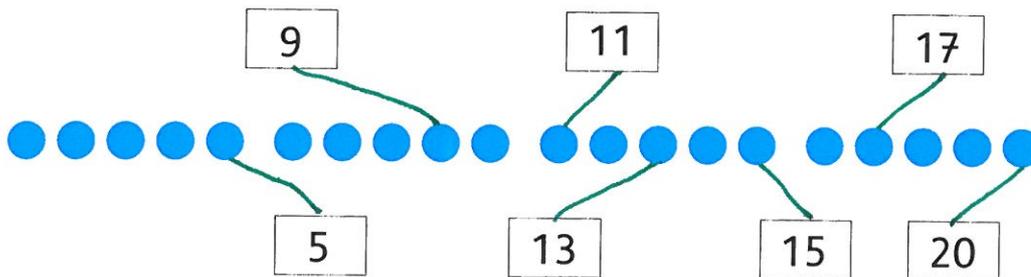
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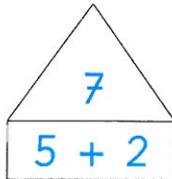
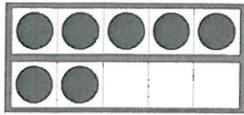
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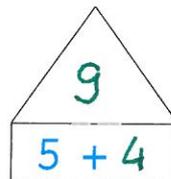
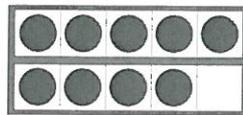
Schriftliche Grundlegung der Blitzrechenübung „Zahlenreihe“. Bei den Aufgaben 1 und 2 sind die Stützen 5, 10, 15 und 20 noch vorgegeben.

Kraft der Fünf

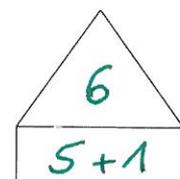
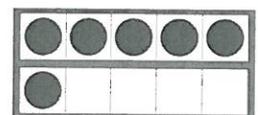
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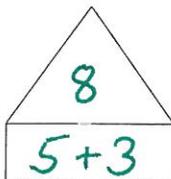
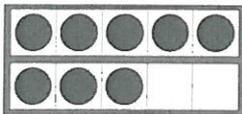
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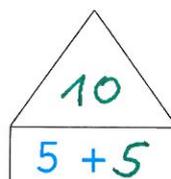
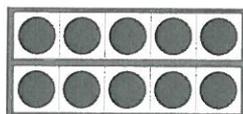
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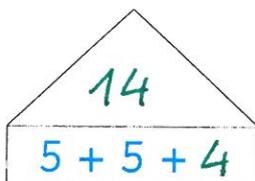
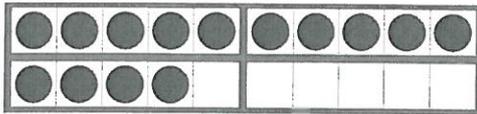
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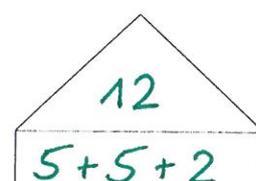
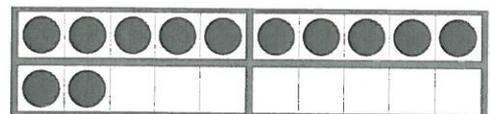
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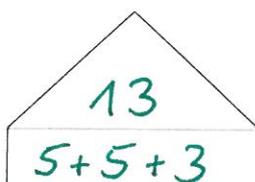
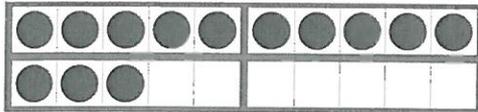
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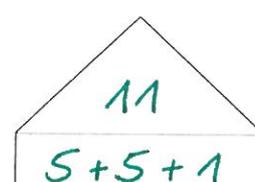
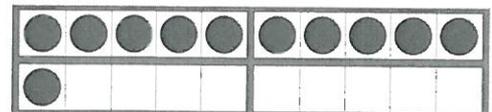
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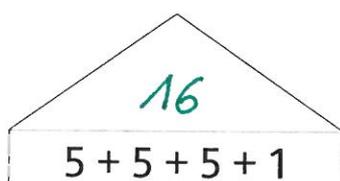
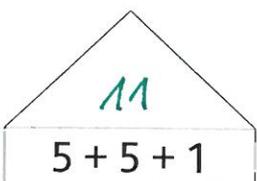
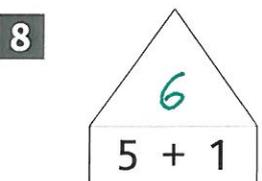
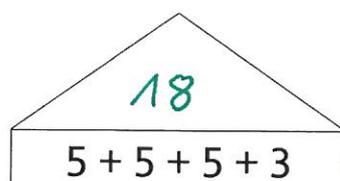
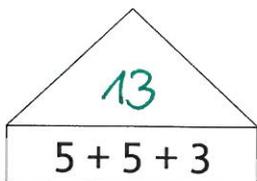
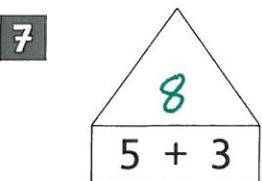
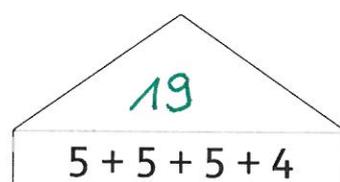
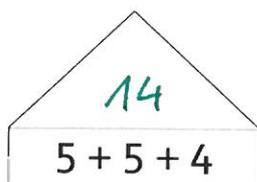
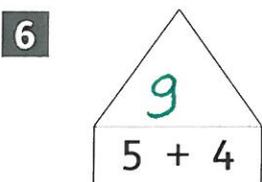
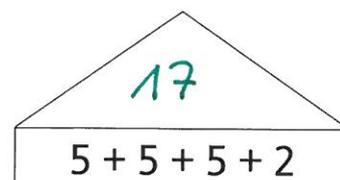
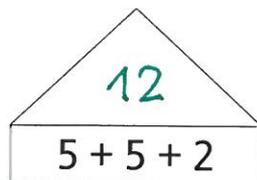
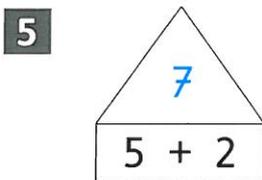
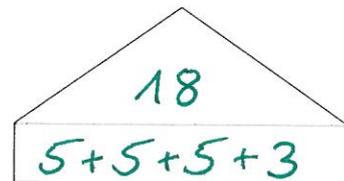
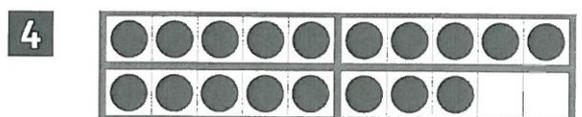
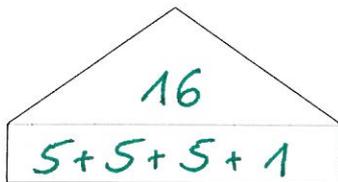
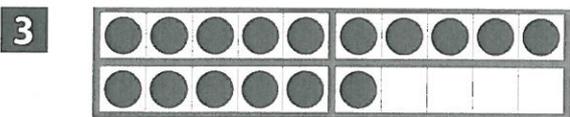
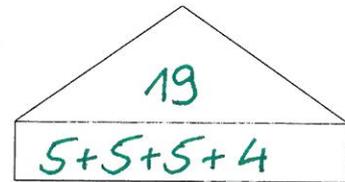
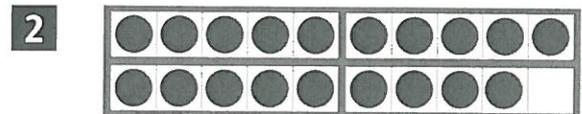
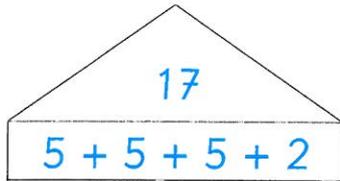
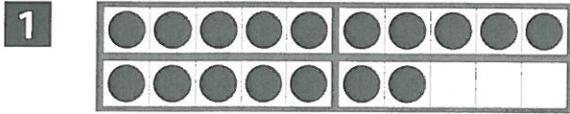
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9



Kraft der Fünf



Zerlegen

1 Immer 4

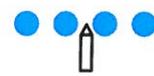

$$3 + 1 = 4$$


$$0 + 4 = 4$$



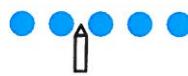

$$4 + 0 = 4$$


$$1 + 3 = 4$$


$$2 + 2 = 4$$

2 Immer 5


$$4 + 1 = 5$$


$$2 + 3 = 5$$

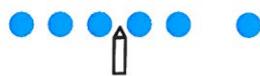

$$3 + 2 = 5$$


$$0 + 5 = 5$$


$$1 + 4 = 5$$

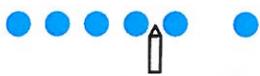

$$5 + 0 = 5$$

3 Immer 6


$$3 + 3 = 6$$


$$5 + 1 = 6$$


$$6 + 0 = 6$$


$$4 + 2 = 6$$


$$0 + 6 = 6$$


$$3 + 3 = 6$$

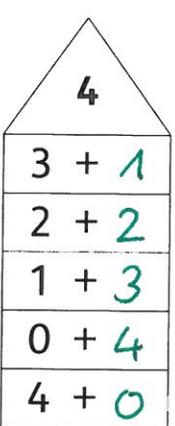
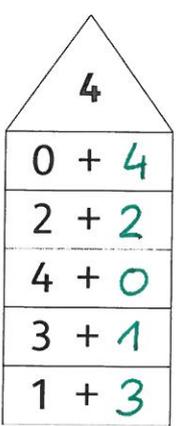
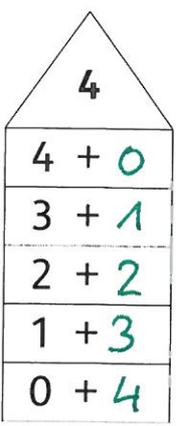
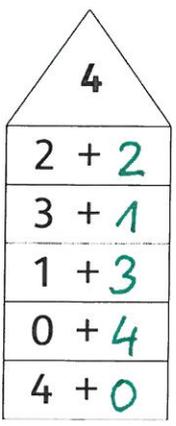

$$1 + 5 = 6$$


$$2 + 4 = 6$$

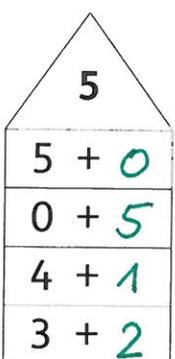
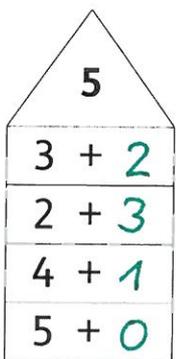
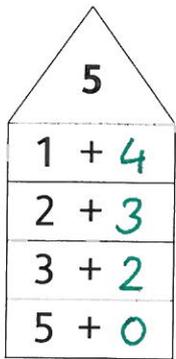
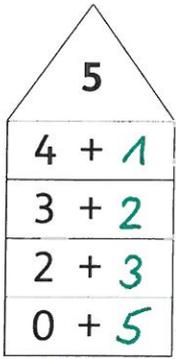

$$4 + 2 = 6$$

Zerlegen

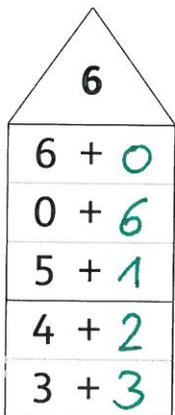
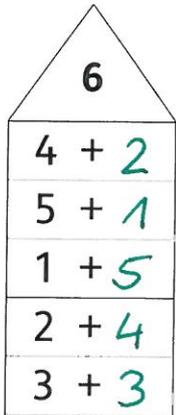
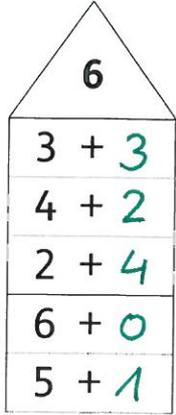
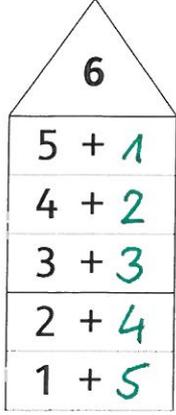
1 Immer 4



2 Immer 5

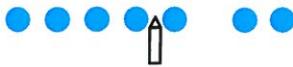


3 Immer 6



Zerlegen

1 Immer 7


$$4 + 3 = 7$$


$$3 + 4 = 7$$


$$0 + 7 = 7$$


$$5 + 2 = 7$$


$$1 + 6 = 7$$


$$6 + 1 = 7$$

2 Immer 8


$$1 + 7 = 8$$


$$4 + 4 = 8$$


$$7 + 1 = 8$$


$$6 + 2 = 8$$


$$5 + 3 = 8$$


$$8 + 0 = 8$$

3 Immer 9


$$5 + 4 = 9$$


$$1 + 8 = 9$$


$$7 + 2 = 9$$

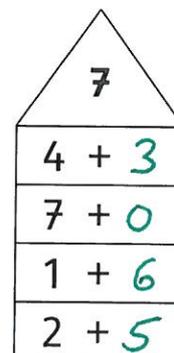
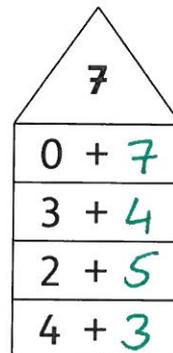
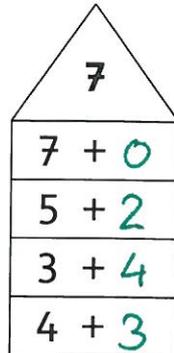
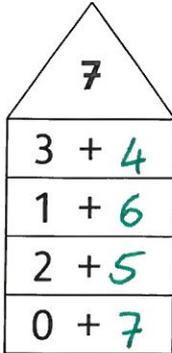

$$2 + 7 = 9$$


$$3 + 6 = 9$$

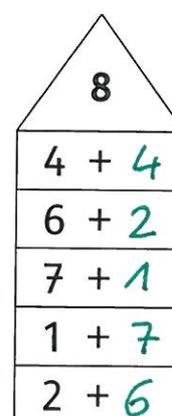
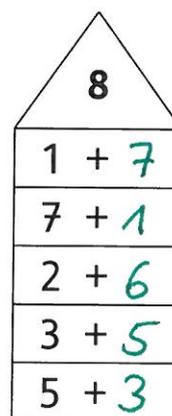
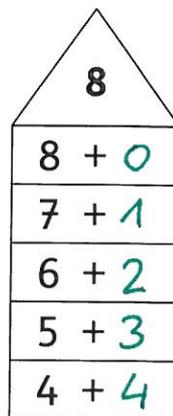
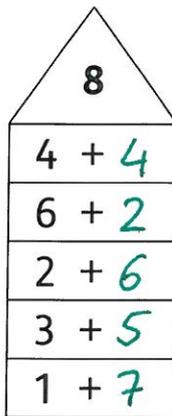

$$0 + 9 = 9$$

Zerlegen

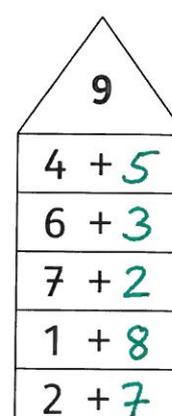
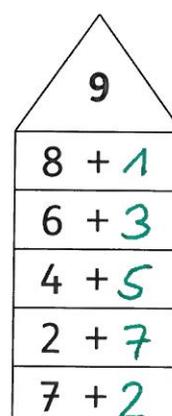
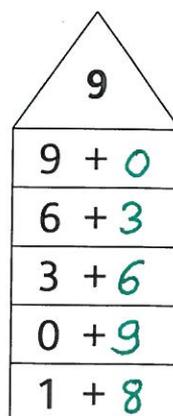
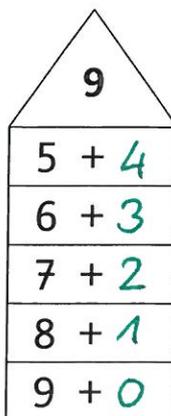
1 Immer 7



2 Immer 8



3 Immer 9



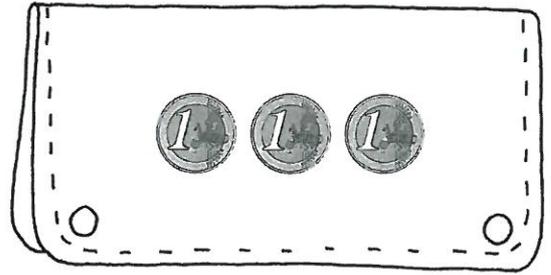
Geld

1



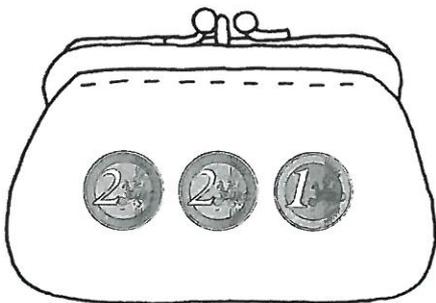
4 Euro

2



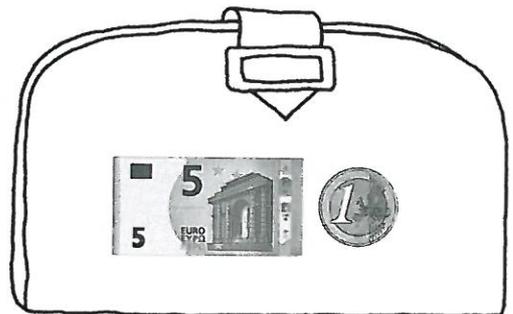
3 Euro

3



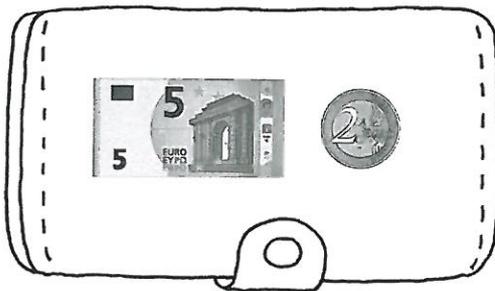
5 Euro

4



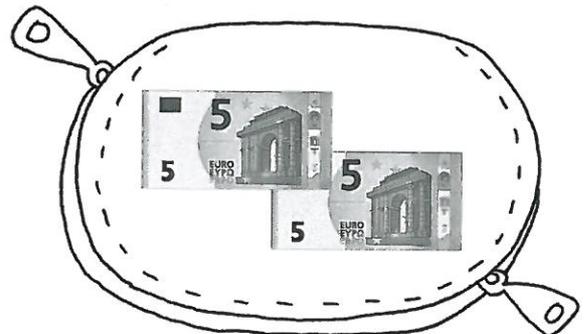
6 Euro

5



7 Euro

6



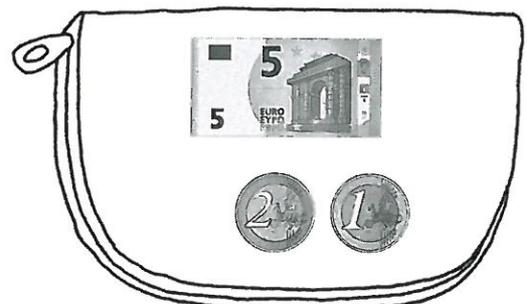
10 Euro

7



6 Euro

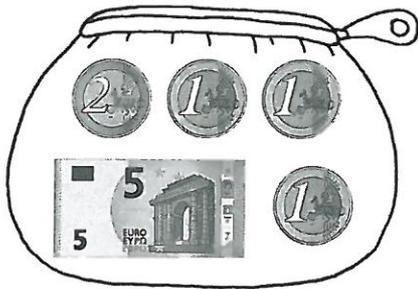
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8 Euro

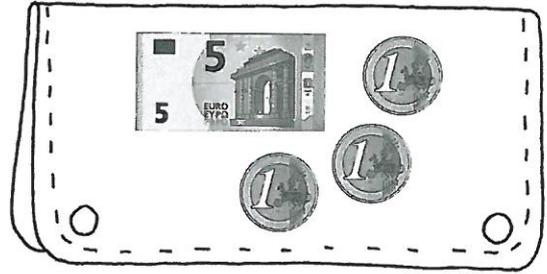
Geld

1



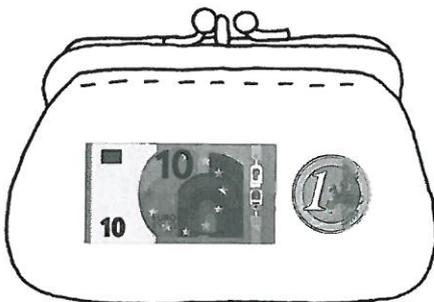
10 Euro

2



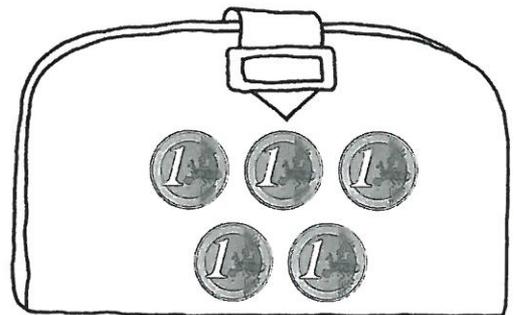
8 Euro

3



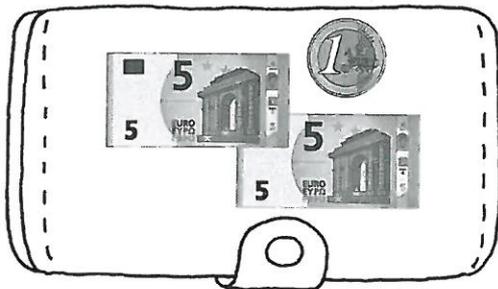
11 Euro

4



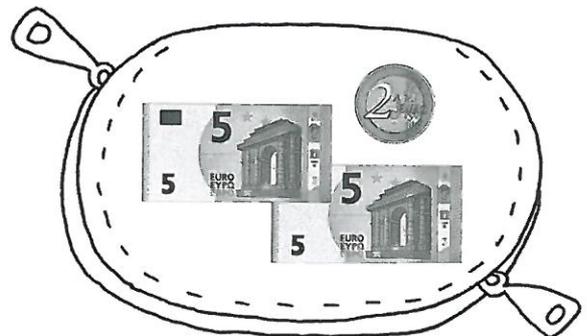
5 Euro

5



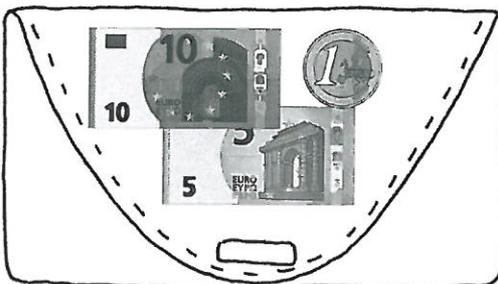
11 Euro

6



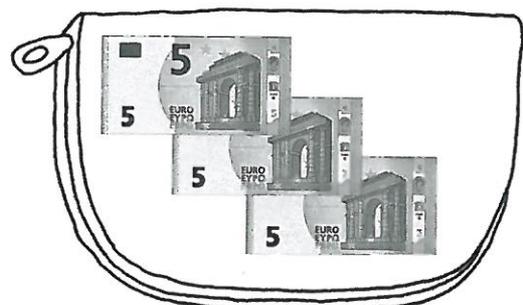
12 Euro

7



16 Euro

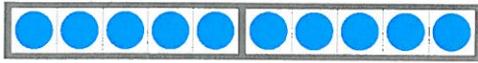
8



15 Euro

Immer 10

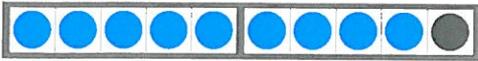
1



$$\underline{10 + 0}$$



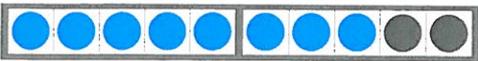
$$\underline{5 + 5}$$



$$\underline{9 + 1}$$



$$\underline{4 + 6}$$



$$\underline{8 + 2}$$



$$\underline{3 + 7}$$



$$\underline{7 + 3}$$



$$\underline{2 + 8}$$

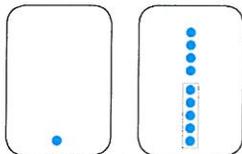


$$\underline{6 + 4}$$

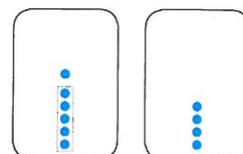


$$\underline{1 + 9}$$

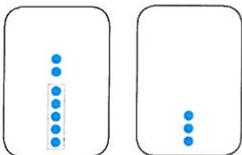
2



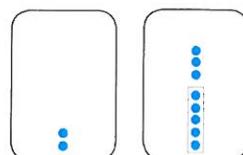
$$\underline{1 + 9}$$



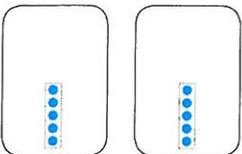
$$\underline{6 + 4}$$



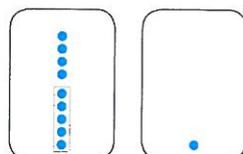
$$\underline{7 + 3}$$



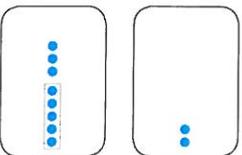
$$\underline{2 + 8}$$



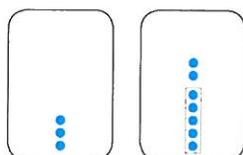
$$\underline{5 + 5}$$



$$\underline{9 + 1}$$



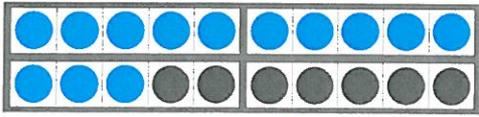
$$\underline{8 + 2}$$



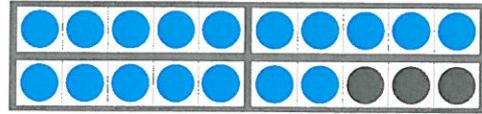
$$\underline{3 + 7}$$

Immer 20

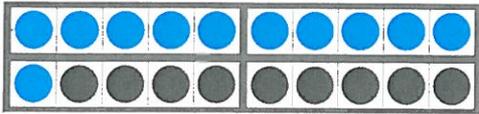
1



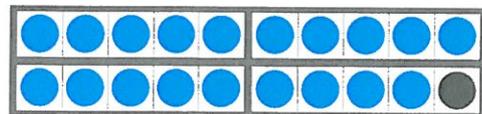
$$\underline{13 + 7}$$



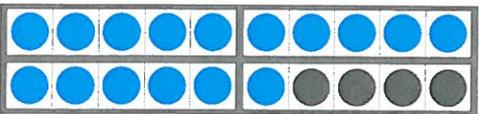
$$\underline{17 + 3}$$



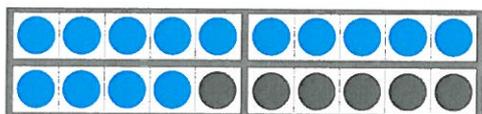
$$\underline{11 + 9}$$



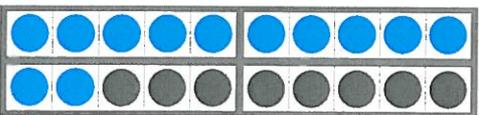
$$\underline{19 + 1}$$



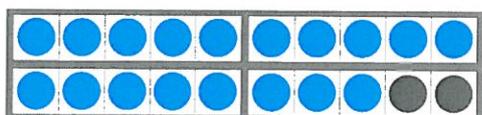
$$\underline{16 + 4}$$



$$\underline{14 + 6}$$

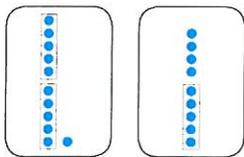


$$\underline{12 + 8}$$

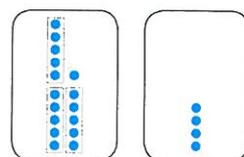


$$\underline{18 + 2}$$

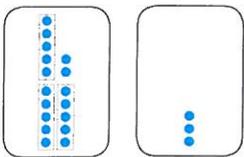
2



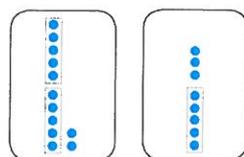
$$\underline{11 + 9}$$



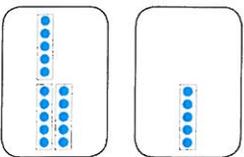
$$\underline{16 + 4}$$



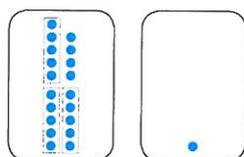
$$\underline{17 + 3}$$



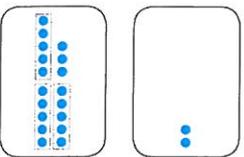
$$\underline{12 + 8}$$



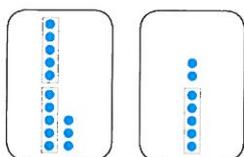
$$\underline{15 + 5}$$



$$\underline{19 + 1}$$



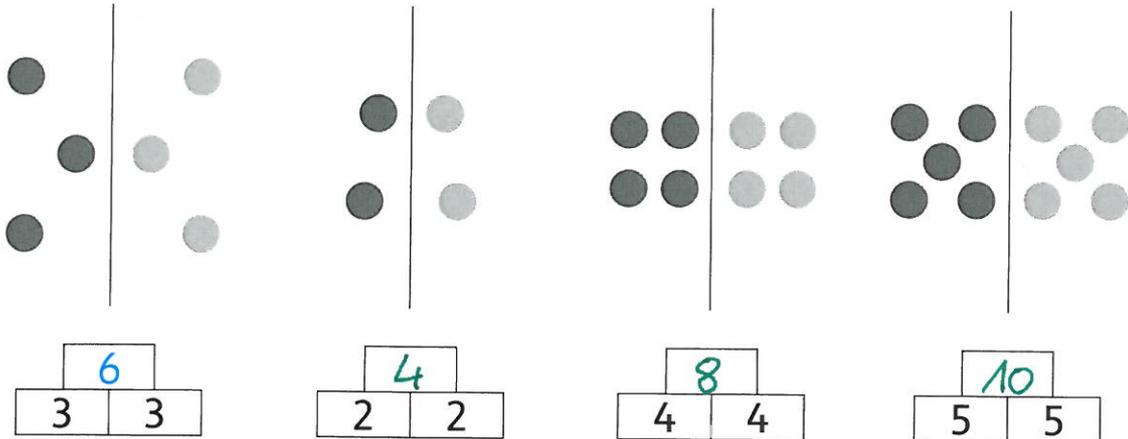
$$\underline{18 + 2}$$



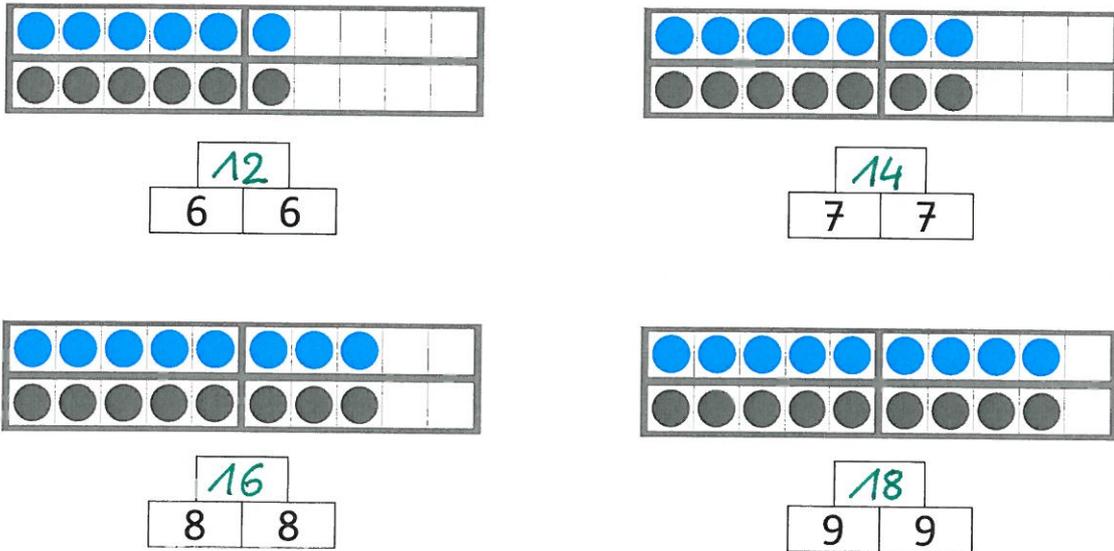
$$\underline{13 + 7}$$

Verdoppeln

1



2



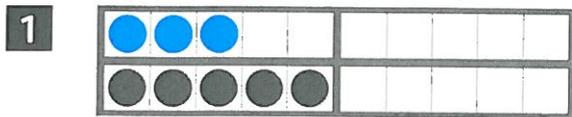
3

Zahl	1	2	3	4	5	6	7	8	9	10
Das Doppelte	2	4	6	8	10	12	14	16	18	20

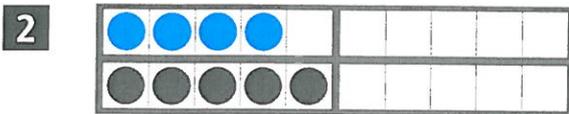
4

Zahl	1	2	4	8	3	6	5	10	7	9
Das Doppelte	2	4	8	16	6	12	10	20	14	18

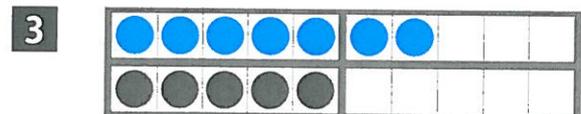
Plusaufgaben



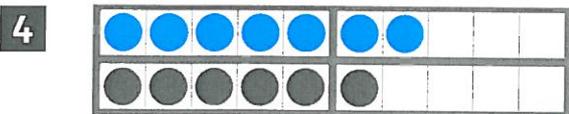
$$3 + 5 = 8$$



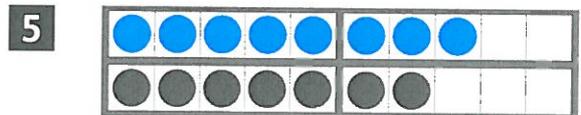
$$4 + 5 = 9$$



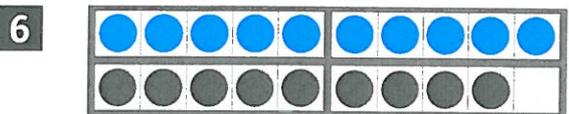
$$7 + 5 = 12$$



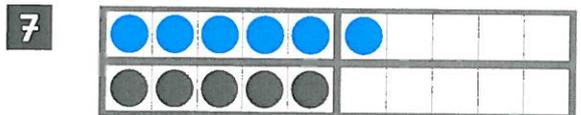
$$7 + 6 = 13$$



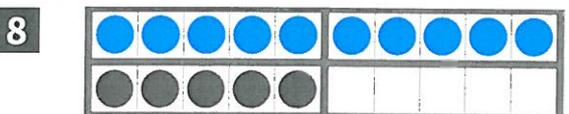
$$8 + 7 = 15$$



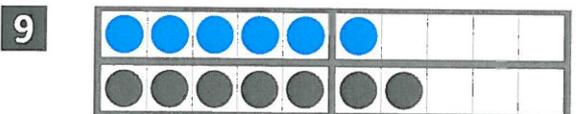
$$10 + 9 = 19$$



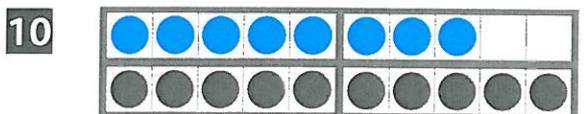
$$6 + 5 = 11$$



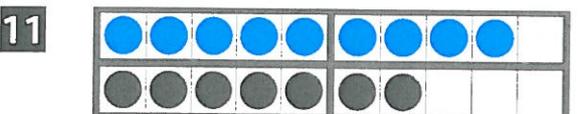
$$10 + 5 = 15$$



$$6 + 7 = 13$$

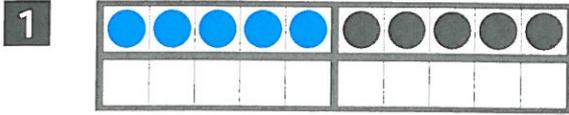


$$8 + 10 = 18$$

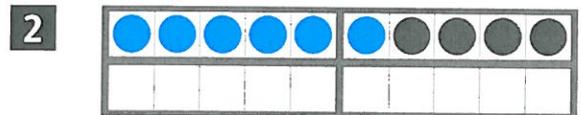


$$9 + 7 = 16$$

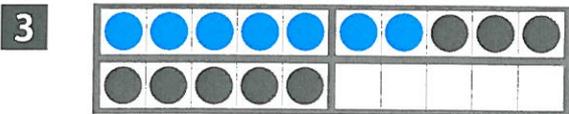
Plusaufgaben



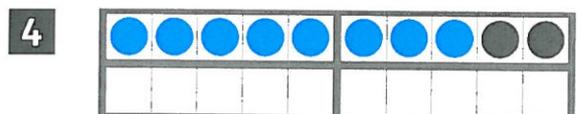
$$5 + 5 = 10$$



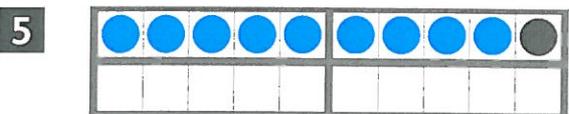
$$6 + 4 = 10$$



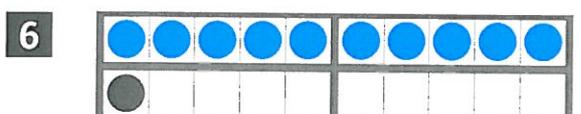
$$7 + 8 = 15$$



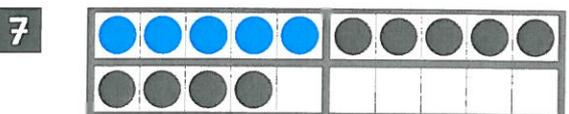
$$8 + 2 = 10$$



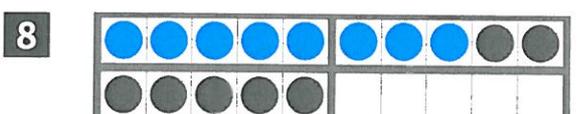
$$9 + 1 = 10$$



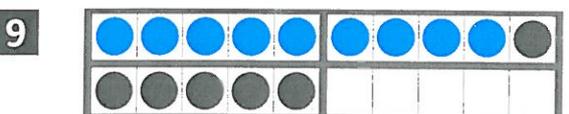
$$10 + 1 = 11$$



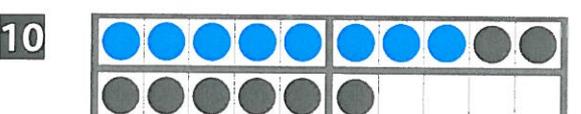
$$5 + 9 = 14$$



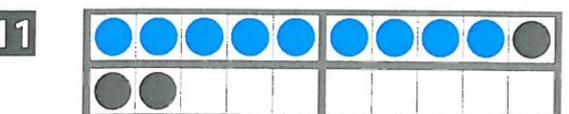
$$8 + 7 = 15$$



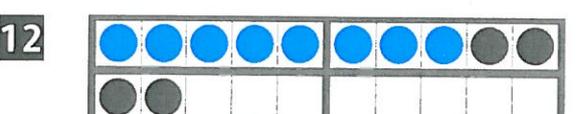
$$9 + 6 = 15$$



$$8 + 8 = 16$$



$$9 + 3 = 12$$

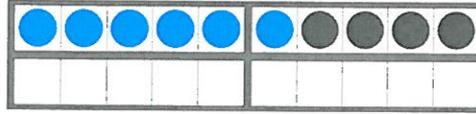


$$8 + 4 = 12$$

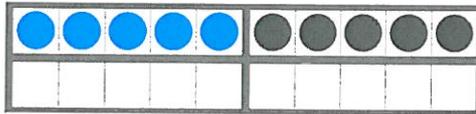
Plusaufgaben



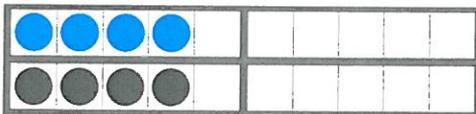
1 $6 + 4 = \underline{10}$
 $6 + 5 = \underline{11}$



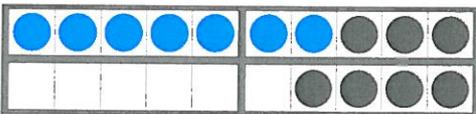
2 $5 + 5 = \underline{10}$
 $4 + 4 = \underline{8}$



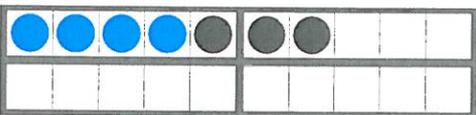
3 $4 + 4 = \underline{8}$
 $4 + 5 = \underline{9}$



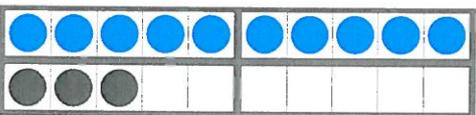
4 $7 + 7 = \underline{14}$
 $7 + 8 = \underline{15}$



5 $4 + 3 = \underline{7}$
 $14 + 3 = \underline{17}$



6 $10 + 3 = \underline{13}$
 $9 + 3 = \underline{12}$



7 $10 + 5 = \underline{15}$
 $12 + 5 = \underline{17}$

$3 + 5 = \underline{8}$ $6 + 6 = \underline{12}$
 $13 + 5 = \underline{18}$ $6 + 7 = \underline{13}$

8 $8 + 8 = \underline{16}$
 $8 + 7 = \underline{15}$

$3 + 7 = \underline{10}$ $10 + 6 = \underline{16}$
 $4 + 7 = \underline{11}$ $9 + 7 = \underline{16}$

Schriftliche Grundlegung der Blitzrechenübung „Plusaufgaben“. Aus einer einfachen Aufgabe eine schwierigere (Nachbar)aufgabe erschließen. Die einfache Aufgabe ist dargestellt.

Plusaufgaben

1 $2 + 3 = \underline{5}$ $3 + 3 = \underline{6}$ $4 + 2 = \underline{6}$
 $12 + 3 = \underline{15}$ $13 + 3 = \underline{16}$ $4 + 12 = \underline{16}$

2 $8 + 8 = \underline{16}$ $7 + 7 = \underline{14}$ $5 + 5 = \underline{10}$
 $8 + 9 = \underline{17}$ $7 + 8 = \underline{15}$ $6 + 6 = \underline{12}$

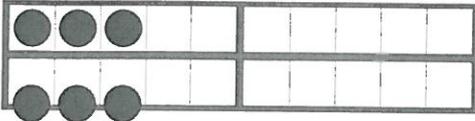
3 $5 + 3 = \underline{8}$ $9 + 2 = \underline{11}$ $7 + 4 = \underline{11}$
 $3 + 5 = \underline{8}$ $2 + 9 = \underline{11}$ $4 + 7 = \underline{11}$

4 $10 + 4 = \underline{14}$ $8 + 10 = \underline{18}$ $10 + 7 = \underline{17}$
 $9 + 4 = \underline{13}$ $8 + 9 = \underline{17}$ $8 + 7 = \underline{15}$

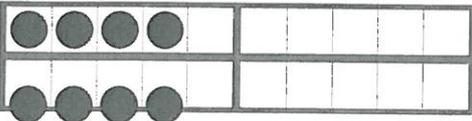
5 $5 + 5 = \underline{10}$ **6** $7 + 6 = \underline{13}$ **7** $4 + 3 = \underline{7}$
 $4 + 5 = \underline{9}$ $7 + 7 = \underline{14}$ $7 + 3 = \underline{10}$
 $6 + 5 = \underline{11}$ $7 + 8 = \underline{15}$ $11 + 3 = \underline{14}$
 $7 + 5 = \underline{12}$ $7 + 2 = \underline{9}$ $14 + 3 = \underline{17}$
 $9 + 5 = \underline{14}$ $7 + 4 = \underline{11}$ $17 + 3 = \underline{20}$

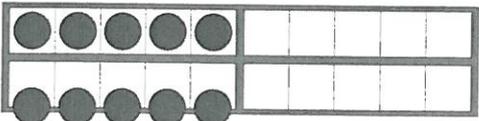
8 $6 + 6 = \underline{12}$ **9** $3 + 3 = \underline{6}$ **10** $3 + 2 = \underline{5}$
 $6 + 5 = \underline{11}$ $8 + 8 = \underline{16}$ $13 + 2 = \underline{15}$
 $6 + 2 = \underline{8}$ $4 + 4 = \underline{8}$ $8 + 7 = \underline{15}$
 $6 + 4 = \underline{10}$ $9 + 9 = \underline{18}$ $11 + 4 = \underline{15}$
 $6 + 8 = \underline{14}$ $10 + 10 = \underline{20}$ $9 + 4 = \underline{13}$

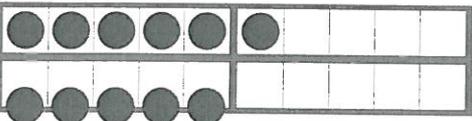
Minusaufgaben

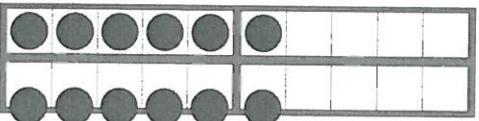
1 
 $6 - 3 = 3$

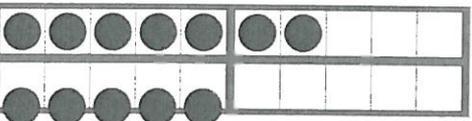


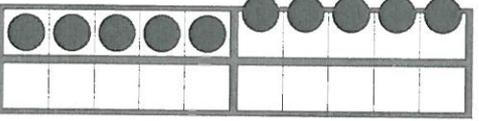
2 
 $8 - 4 = 4$

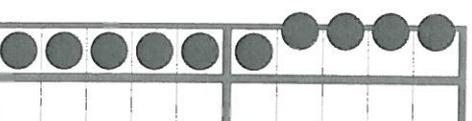
3 
 $10 - 5 = 5$

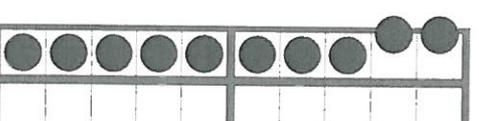
4 
 $11 - 5 = 6$

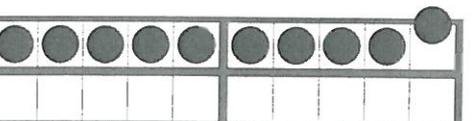
5 
 $12 - 6 = 6$

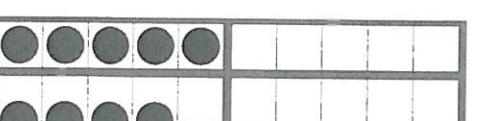
6 
 $12 - 5 = 7$

7 
 $10 - 5 = 5$

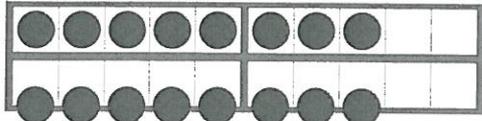
8 
 $10 - 4 = 6$

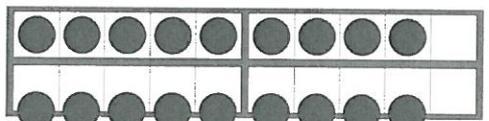
9 
 $10 - 2 = 8$

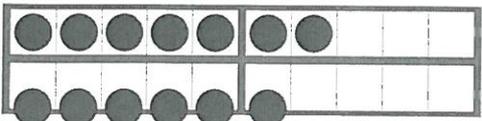
10 
 $10 - 1 = 9$

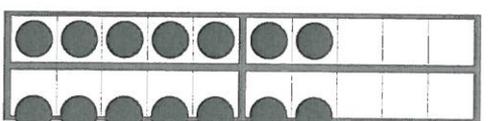
11 
 $9 - 4 = 5$

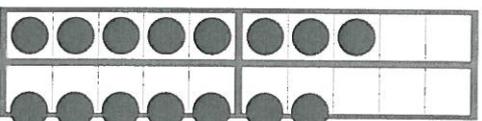
Minusaufgaben

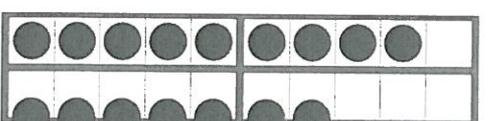
1 
 $16 - 8 = 8$

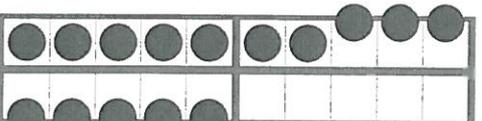
2 
 $18 - 9 = 9$

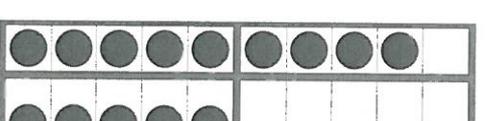
3 
 $13 - 6 = 7$

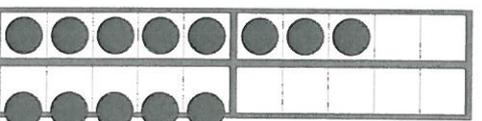
4 
 $14 - 7 = 7$

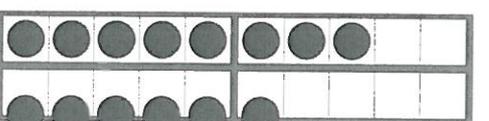
5 
 $15 - 7 = 8$

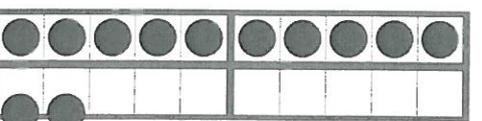
6 
 $16 - 7 = 9$

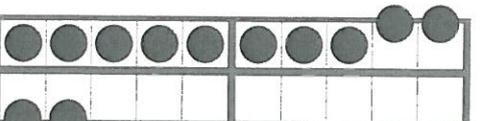
7 
 $15 - 8 = 7$

8 
 $14 - 5 = 9$

9 
 $13 - 5 = 8$

10 
 $14 - 6 = 8$

11 
 $12 - 2 = 10$

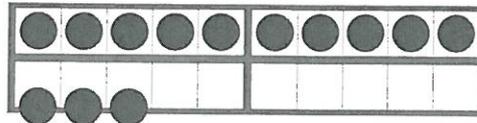
12 
 $12 - 4 = 8$

Minusaufgaben



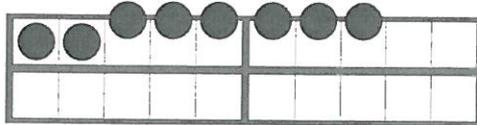
1 $13 - 3 = \underline{10}$

$13 - 4 = \underline{9}$



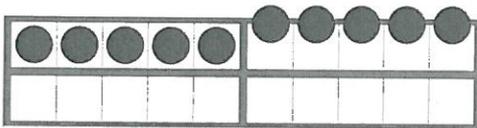
2 $8 - 6 = \underline{2}$

$18 - 6 = \underline{12}$



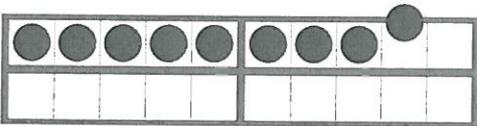
3 $10 - 5 = \underline{5}$

$12 - 5 = \underline{7}$



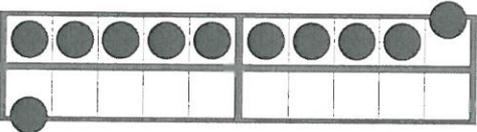
4 $9 - 1 = \underline{8}$

$9 - 8 = \underline{1}$



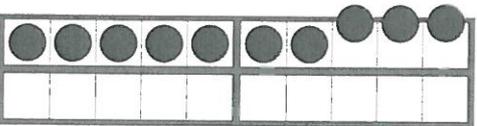
5 $11 - 2 = \underline{9}$

$11 - 3 = \underline{8}$



6 $10 - 3 = \underline{7}$

$11 - 4 = \underline{7}$



7 $7 - 6 = \underline{1}$

$17 - 6 = \underline{11}$

$12 - 10 = \underline{2}$

$12 - 9 = \underline{3}$

$18 - 8 = \underline{10}$

$18 - 9 = \underline{9}$

8 $12 - 5 = \underline{7}$

$12 - 7 = \underline{5}$

$15 - 5 = \underline{10}$

$14 - 5 = \underline{9}$

$14 - 4 = \underline{10}$

$14 - 5 = \underline{9}$

Schriftliche Grundlegung der Blitzrechenübung „Minusaufgaben“. Aus einer einfachen Aufgabe eine schwierigere Aufgabe ableiten. Die einfache Aufgabe ist dargestellt und kann gedanklich verändert werden.

Minusaufgaben

1 $10 - 3 = \underline{7}$ $10 - 7 = \underline{3}$ $10 - 5 = \underline{5}$
 $20 - 3 = \underline{17}$ $20 - 7 = \underline{13}$ $20 - 5 = \underline{15}$

2 $8 - 4 = \underline{4}$ $6 - 3 = \underline{3}$ $18 - 9 = \underline{9}$
 $16 - 8 = \underline{8}$ $12 - 6 = \underline{6}$ $14 - 7 = \underline{7}$

3 $13 - 3 = \underline{10}$ $17 - 7 = \underline{10}$ $16 - 6 = \underline{10}$
 $13 - 4 = \underline{9}$ $17 - 8 = \underline{9}$ $16 - 7 = \underline{9}$

4 $14 - 10 = \underline{4}$ $15 - 10 = \underline{5}$ $12 - 10 = \underline{2}$
 $14 - 9 = \underline{5}$ $15 - 9 = \underline{6}$ $12 - 9 = \underline{3}$

5 $10 - 5 = \underline{5}$
 $10 - 6 = \underline{4}$
 $10 - 4 = \underline{6}$
 $10 - 3 = \underline{7}$
 $10 - 7 = \underline{3}$

6 $10 - 6 = \underline{4}$
 $9 - 5 = \underline{4}$
 $8 - 4 = \underline{4}$
 $7 - 2 = \underline{5}$
 $6 - 1 = \underline{5}$

7 $8 - 4 = \underline{4}$
 $6 - 3 = \underline{3}$
 $4 - 2 = \underline{2}$
 $2 - 1 = \underline{1}$
 $0 - 0 = \underline{0}$

8 $10 - 5 = \underline{5}$
 $9 - 4 = \underline{5}$
 $8 - 3 = \underline{5}$
 $8 - 4 = \underline{4}$
 $7 - 3 = \underline{4}$

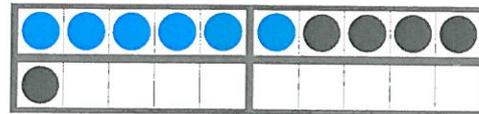
9 $15 - 5 = \underline{10}$
 $15 - 3 = \underline{12}$
 $15 - 6 = \underline{9}$
 $15 - 7 = \underline{8}$
 $15 - 10 = \underline{5}$

10 $12 - 3 = \underline{9}$
 $12 - 4 = \underline{8}$
 $12 - 5 = \underline{7}$
 $12 - 7 = \underline{5}$
 $12 - 8 = \underline{4}$

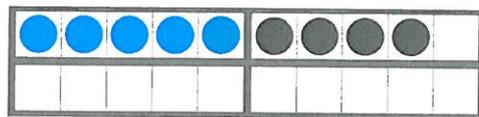
Plus- und Minusaufgaben



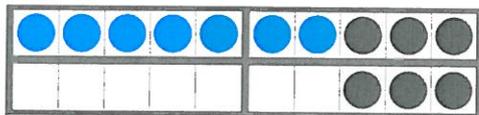
1 $6 + 5 = \underline{11}$ $11 - 5 = \underline{6}$
 $5 + 6 = \underline{11}$ $11 - 6 = \underline{5}$



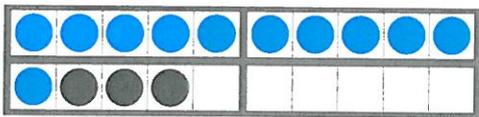
2 $5 + 4 = \underline{9}$ $9 - 4 = \underline{5}$
 $4 + 5 = \underline{9}$ $9 - 5 = \underline{4}$



3 $7 + 6 = \underline{13}$ $13 - 6 = \underline{7}$
 $6 + 7 = \underline{13}$ $13 - 7 = \underline{6}$



4 $11 + 3 = \underline{14}$ $14 - 3 = \underline{11}$
 $3 + 11 = \underline{14}$ $14 - 11 = \underline{3}$



5 $7 + 3 = \underline{10}$ $10 - 3 = \underline{7}$
 $3 + 7 = \underline{10}$ $10 - 7 = \underline{3}$

6 $8 + 5 = \underline{13}$ $13 - 5 = \underline{8}$
 $5 + 8 = \underline{13}$ $13 - 8 = \underline{5}$

7 $9 + 2 = \underline{11}$ $11 - 2 = \underline{9}$
 $2 + 9 = \underline{11}$ $11 - 9 = \underline{2}$

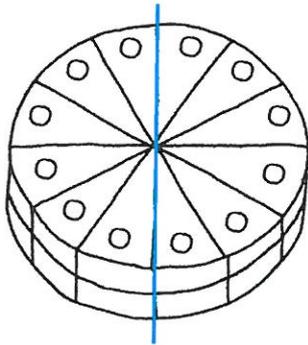
8 $4 + 5 = \underline{9}$ $9 - 5 = \underline{4}$
 $5 + 4 = \underline{9}$ $9 - 4 = \underline{5}$

9 $7 + 4 = \underline{11}$ $11 - 4 = \underline{7}$
 $4 + 7 = \underline{11}$ $11 - 7 = \underline{4}$

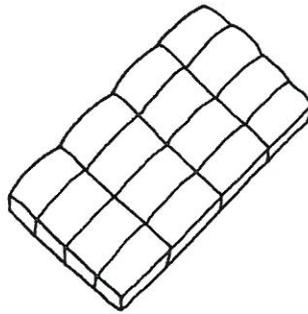
10 $7 + 2 = \underline{9}$ $9 - 2 = \underline{7}$
 $2 + 7 = \underline{9}$ $9 - 7 = \underline{2}$

Halbieren

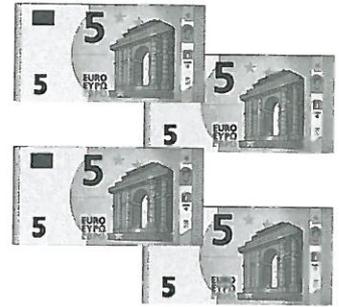
1



$$\begin{array}{c} 12 \\ \hline 6 \quad 6 \end{array}$$

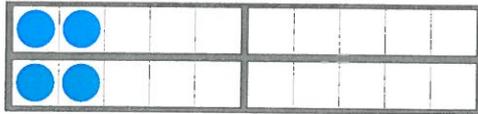


$$\begin{array}{c} 16 \\ \hline 8 \quad 8 \end{array}$$

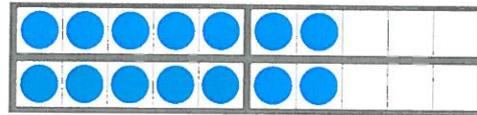


$$\begin{array}{c} 20 \\ \hline 10 \quad 10 \end{array}$$

2



$$\begin{array}{c} 4 \\ \hline 2 \quad 2 \end{array}$$



$$\begin{array}{c} 14 \\ \hline 7 \quad 7 \end{array}$$

3

$2 = \underline{1} + \underline{1}$

$6 = \underline{3} + \underline{3}$

$8 = \underline{4} + \underline{4}$

$12 = \underline{6} + \underline{6}$

$16 = \underline{8} + \underline{8}$

$18 = \underline{9} + \underline{9}$

4

Zahl	2	4	6	8	10	12	14	16	18	20
Die Hälfte	1	2	3	4	5	6	7	8	9	10

5

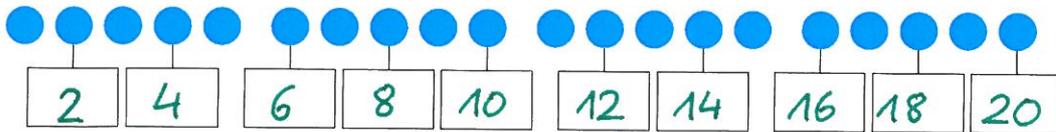
Zahl	10	2	12	4	14	6	16	8	18	20
Die Hälfte	5	1	6	2	7	3	8	4	9	10

6

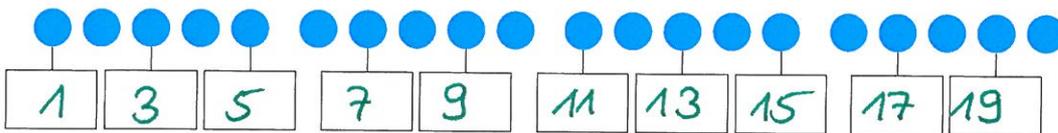
Zahl	2	4	8	16	6	12	10	20	14	18
Die Hälfte	1	2	4	8	3	6	5	10	7	9

Zählen in Schritten

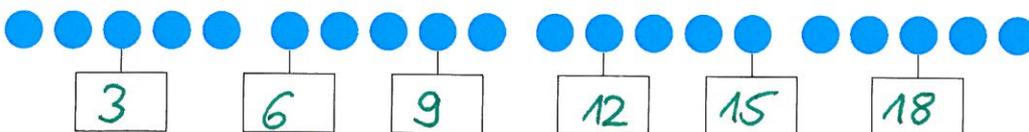
1 Zähle in Zweierschritten.



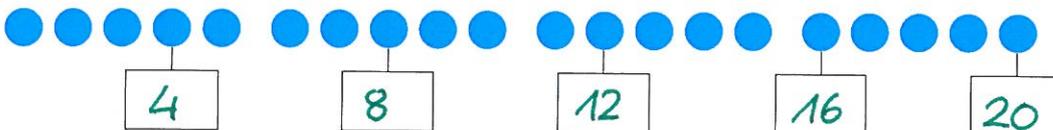
2 Zähle in Zweierschritten.



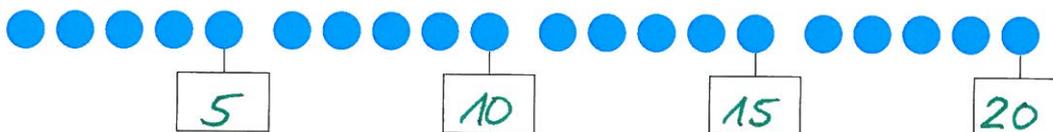
3 Zähle in Dreierschritten.



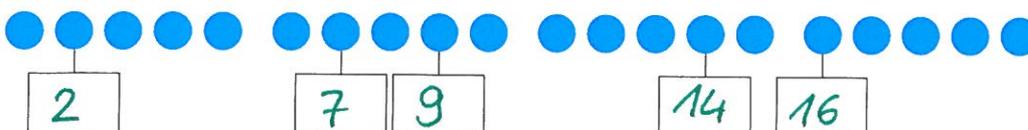
4 Zähle in Vierschritten.



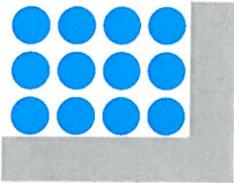
5 Zähle in Fünferschritten.

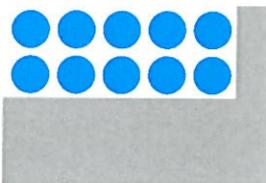


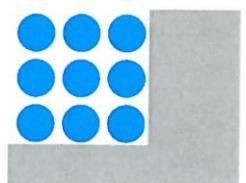
6 Zähle abwechselnd in Zweier- und Fünferschritten.

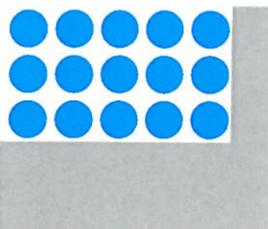


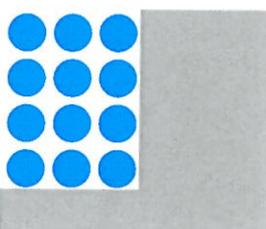
Mini-Einmaleins

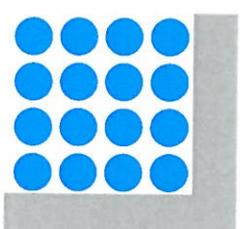
1 
 $3 \text{ mal } 4 = \underline{12}$

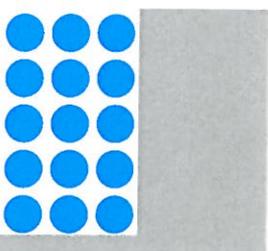
2 
 $2 \text{ mal } 5 = \underline{10}$

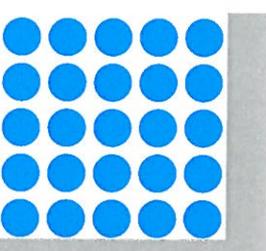
3 
 $3 \text{ mal } 3 = \underline{9}$

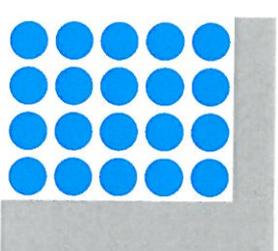
4 
 $3 \text{ mal } 5 = \underline{15}$

5 
 $4 \text{ mal } 3 = \underline{12}$

6 
 $4 \text{ mal } 4 = \underline{16}$

7 
 $5 \text{ mal } 3 = \underline{15}$

8 
 $5 \text{ mal } 5 = \underline{25}$

9 
 $4 \text{ mal } 5 = \underline{20}$

10 $1 \text{ mal } 1 = \underline{1}$
 $2 \text{ mal } 2 = \underline{4}$
 $3 \text{ mal } 3 = \underline{9}$
 $4 \text{ mal } 4 = \underline{16}$

11 $2 \text{ mal } 3 = \underline{6}$
 $3 \text{ mal } 2 = \underline{6}$
 $2 \text{ mal } 4 = \underline{8}$
 $4 \text{ mal } 2 = \underline{8}$

12 $2 \text{ mal } 5 = \underline{10}$
 $2 \text{ mal } 6 = \underline{12}$
 $2 \text{ mal } 7 = \underline{14}$
 $2 \text{ mal } 8 = \underline{16}$

13 $1 \text{ mal } 5 = \underline{5}$
 $2 \text{ mal } 5 = \underline{10}$
 $3 \text{ mal } 5 = \underline{15}$
 $4 \text{ mal } 5 = \underline{20}$

14 $1 \text{ mal } 4 = \underline{4}$
 $2 \text{ mal } 3 = \underline{6}$
 $4 \text{ mal } 3 = \underline{12}$
 $5 \text{ mal } 2 = \underline{10}$

15 $3 \text{ mal } 4 = \underline{12}$
 $3 \text{ mal } 5 = \underline{15}$
 $5 \text{ mal } 3 = \underline{15}$
 $4 \text{ mal } 3 = \underline{12}$