

Das Zahlenbuch

1



Forschen und Finden

Lösungen

Inhalt

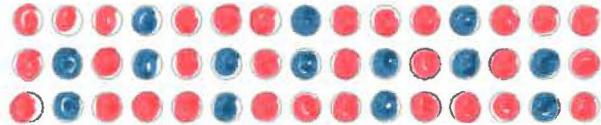
Muster	2
Wie viele mehr?	4
Fünfer und Zehner	6
Zahlen zerlegen	8
Münzen (Euro)	10
Aufgaben vergleichen (plus)	12
Geschickt rechnen (plus)	14
Schöne Päckchen (plus)	16
Aufgaben vergleichen (minus)	24
Schöne Päckchen (minus)	26
Zahlenraupen	32
Nachbaraufgaben	34
Plusaufgaben mit gleichen Zahlen	36
Zahlenmauern	38
Rechenrätsel	44
Immer der Reihe nach	48
Münzen (Cent)	50
Kombinatorik	52
Das habe ich geschafft!	56

Muster

1 Setze das Muster fort.

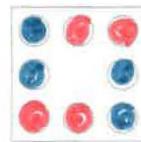
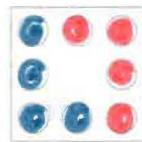
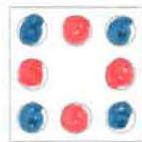
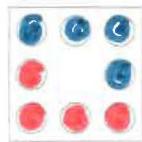
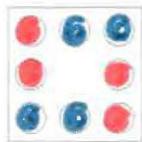


2 Male Muster. ● ● (Beispiele)

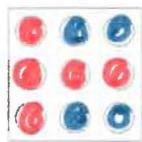


Muster

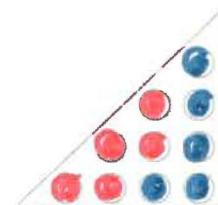
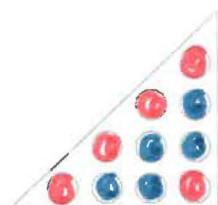
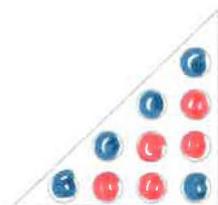
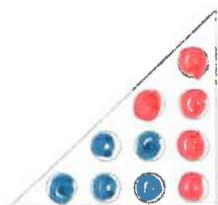
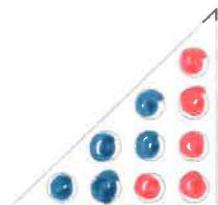
3 Male. Immer 4 ● und 4 ●.



4 Male. Immer 4 ● und 5 ●.



5 Male. Immer 5 ● und 5 ●.



Wie viele mehr?

(Beispiele)

1 Immer 3 mehr.

1



4



6



3



4



7



2



5



3



6



0



3



5



8



7



10



Wie viele mehr?

2 ●: Immer 2 mehr.

1
3

6
8

3
5

8
10

4
6

2
4

5
7



3 ●: Immer 4 mehr.

9
5

6
2

7
3

5
1

8
4

10
6

4
0

4 Immer 5 mehr.

1
6

6
11

0
5

2
7

5
10

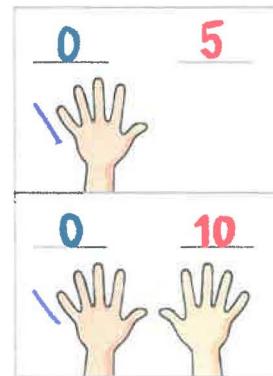
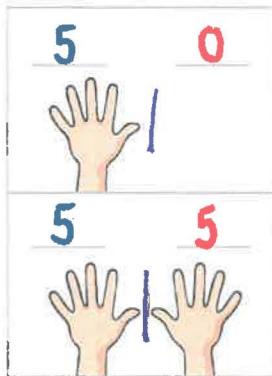
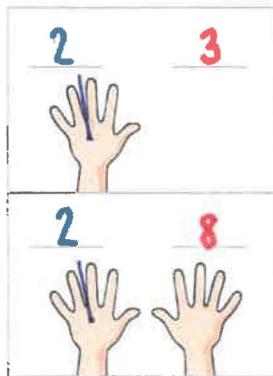
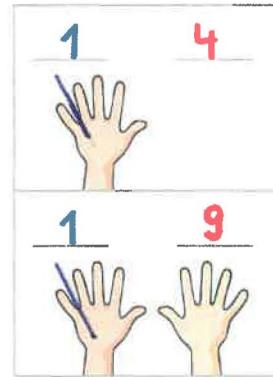
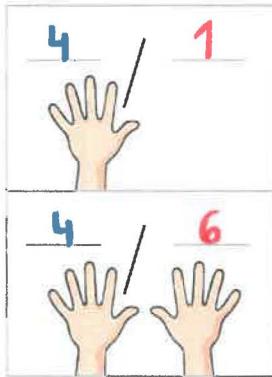
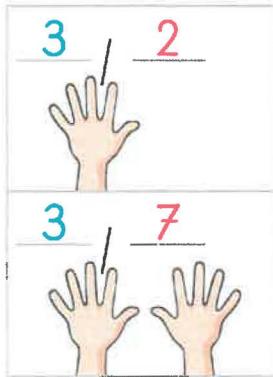
3
8

4
9

(Beispiele)

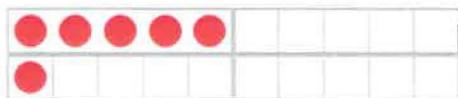
Fünfer und Zehner

1 Zerlege. Immer 5, immer 10. (Beispiele)

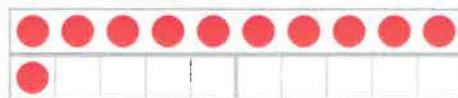


Fünfer und Zehner

2 Immer mit 5, immer mit 10. Vergleiche.



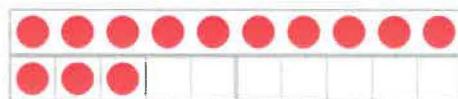
$$6 \\ 5 + \underline{1}$$



$$11 \\ 10 + \underline{1}$$



$$8 \\ 5 + \underline{3}$$



$$13 \\ 10 + \underline{3}$$

3 7 12

$$5 + \underline{2} \quad 10 + \underline{2}$$

5 10

$$5 + \underline{0} \quad 10 + \underline{0}$$

$$10 \quad 15 \\ 5 + \underline{5} \quad 10 + \underline{5}$$

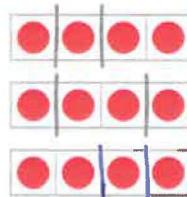
$$9 \quad 14 \\ 5 + \underline{4} \quad 10 + \underline{4}$$



Zahlen zerlegen

1 Immer 4.

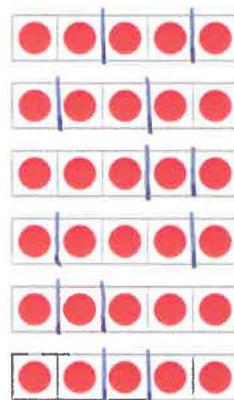
Zerlege mit 3 Zahlen
und zeichne ein.



4		
1	1	2
1	2	1
2	1	1

2 Immer 5.

Zerlege mit 3 Zahlen
und zeichne ein.



5		
2	2	1
1	2	2
3	1	1
1	3	1
1	1	3
2	1	2



Zahlen zerlegen

- 3 Immer 6. Zerlege mit 3 Zahlen und vergleiche.

6		
1	1	4
1	2	3
1	3	2
1	4	1

6		
2	1	3
2	2	2
2	3	1

6		
3	2	1
3	1	2

6		
4	1	1

- 4 Immer 10. Zerlege mit 3 Zahlen. (Beispiele)

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

10		
2	1	7
2	2	6
2	3	5
2	4	4

10		
3	1	6
3	2	5
3	3	4
3	4	3

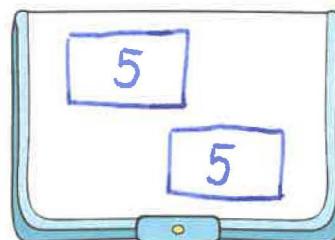
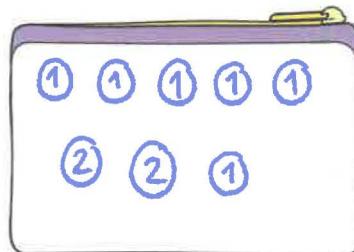
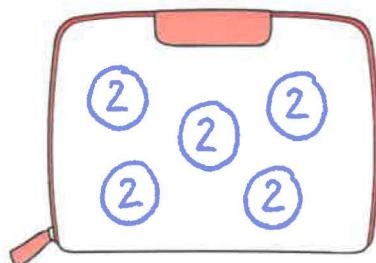
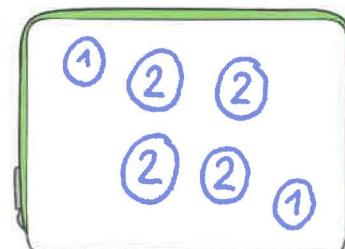
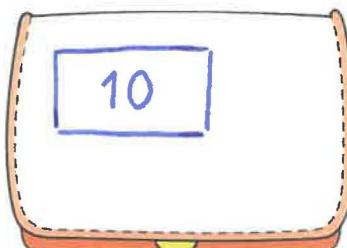
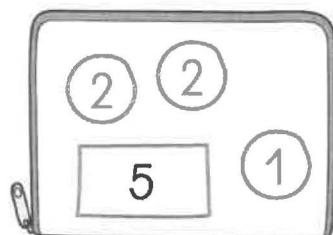
10		
4	1	5
4	2	4
4	3	3
4	4	2

10		
5	1	4
5	2	3
5	3	2
5	4	1

Münzen

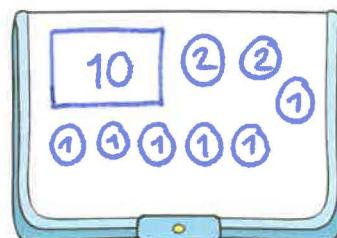
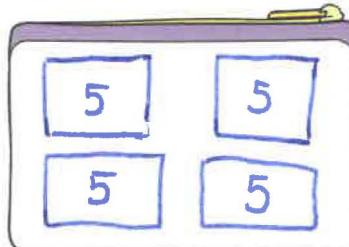
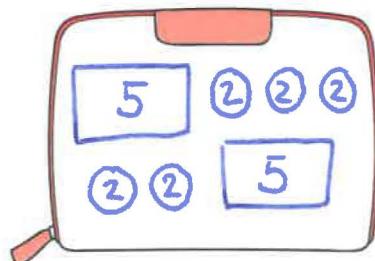
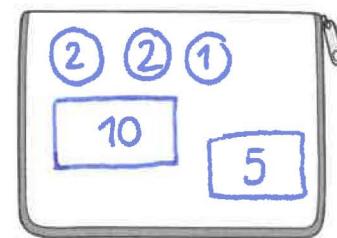
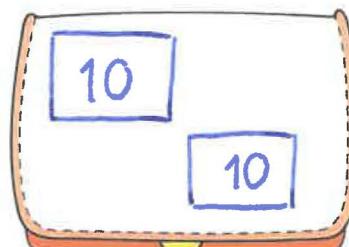
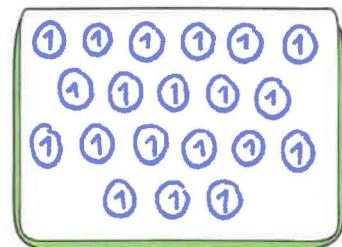
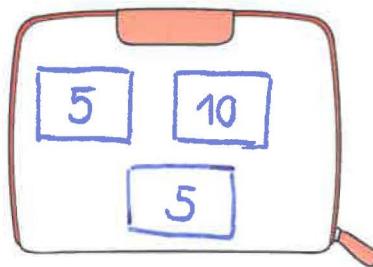
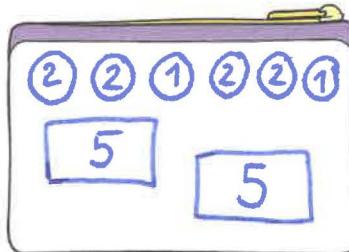
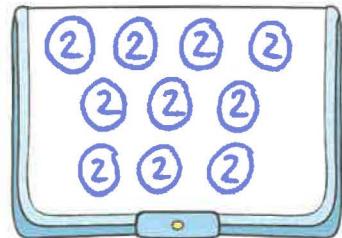
1 Lege immer 10 Euro.

Finde verschiedene Möglichkeiten.



Münzen

2 Immer 20 Euro. Finde verschiedene Möglichkeiten.



(Beispiele)

Aufgaben vergleichen

1 doppelt und mit 10 .

$7 + 7 = 14$

$6 + 6 = 12$

$9 + 9 = 18$

$8 + 8 = 16$

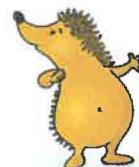
$10 + 4 = 14$

$10 + 2 = 12$

$10 + 8 = 18$

$10 + 6 = 16$

2 mit 5 und mit 10 .



$5 + 7 = 12$

$5 + 9 = 14$

$5 + 8 = 13$

$5 + 6 = 11$

$10 + 2 = 12$

$10 + 4 = 14$

$10 + 3 = 13$

$10 + 1 = 11$

$7 + 5 = 12$

$9 + 5 = 14$

$8 + 5 = 13$

$6 + 5 = 11$

$10 + 2 = 12$

$10 + 4 = 14$

$10 + 3 = 13$

$10 + 1 = 11$

Aufgaben vergleichen

3

1. Zahl: Plus 0
2. Zahl: Plus 1
Ergebnis: Plus 1



$$10 + \underline{5} = 15$$
$$10 + \underline{6} = 16$$

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

$$9 + \underline{7} = 16$$
$$\underline{9} + \underline{8} = 17$$

$$8 + \underline{9} = 17$$
$$\underline{8} + \underline{10} = 18$$

$$14 + \underline{3} = 17$$
$$14 + \underline{4} = 18$$

$$12 + \underline{7} = 19$$
$$\underline{12} + \underline{8} = 20$$

4

1. Zahl: Plus 1
2. Zahl: Minus 1
Ergebnis: Plus 0



$$10 + \underline{3} = 13$$
$$11 + \underline{2} = 13$$

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

$$11 + \underline{4} = 15$$
$$\underline{12} + \underline{3} = 15$$

$$9 + \underline{2} = 11$$
$$\underline{10} + \underline{1} = 11$$

$$12 + \underline{3} = 15$$
$$\underline{13} + \underline{2} = 15$$

$$14 + \underline{6} = 20$$
$$\underline{15} + \underline{5} = 20$$

Geschickt rechnen

1 mit 10 .

$10 + 3 = \underline{13}$

$10 + 1 = \underline{11}$

$10 + 5 = \underline{15}$

$10 + 8 = \underline{18}$

$9 + 4 = \underline{13}$

$9 + 2 = \underline{11}$

$9 + 6 = \underline{15}$

$9 + 9 = \underline{18}$

$10 + 7 = \underline{17}$

$10 + 2 = \underline{12}$

$6 + 10 = \underline{16}$

$4 + 10 = \underline{14}$

$11 + 6 = \underline{17}$

$11 + 1 = \underline{12}$

$5 + 11 = \underline{16}$

$3 + 11 = \underline{14}$

2 mit 10 .

$10 + \underline{8} = 18$

$10 + \underline{4} = 14$

$10 + \underline{7} = 17$

$10 + \underline{10} = 20$

$\underline{9} + 9 = 18$

$\underline{5} + 9 = 14$

$\underline{8} + 9 = 17$

$\underline{11} + 9 = 20$

$\underline{3} + 10 = 13$

$\underline{6} + 10 = 16$

$\underline{8} + 10 = 18$

$\underline{5} + 10 = 15$

$11 + \underline{2} = 13$

$11 + \underline{5} = 16$

$11 + \underline{7} = 18$

$11 + \underline{4} = 15$

Geschickt rechnen

3 Rechne geschickt mit

mit 5

mit 10

= 10

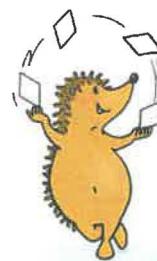
doppelt

$$4 + \underline{8} + 2 = 4 + 10 = 14$$

$$\underline{4} + 6 + 2 = 10 + 2 = 12$$

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

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



4 $\underline{8} + 7 + 2 = 10 + 7 = 17$

$$8 + \underline{7} + 3 = 8 + 10 = 18$$

$$\underline{8} + 8 + 2 = 16 + 2 = 18$$

$$8 + \underline{1} + 4 = 8 + 5 = 13$$

$$\underline{3} + 5 + 7 = 10 + 5 = 15$$

$$3 + \underline{5} + 5 = 3 + 10 = 13$$

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

$$\underline{3} + 2 + 6 = 5 + 6 = 11$$

$$\underline{6} + 8 + 4 = 10 + 8 = 18$$

$$6 + \underline{8} + 2 = 6 + 10 = 16$$

$$\underline{6} + 8 + 6 = 12 + 8 = 20$$

$$6 + \underline{3} + 2 = 6 + 5 = 11$$

Schöne Päckchen

1	$8 + 8 = \underline{16}$	$10 + 10 = \underline{20}$	$10 + 8 = \underline{18}$	$7 + 7 = \underline{14}$
	$9 + 7 = \underline{16}$	$9 + 11 = \underline{20}$	$9 + 7 = \underline{16}$	$6 + 8 = \underline{14}$
	$10 + 6 = \underline{16}$	$8 + 12 = \underline{20}$	$8 + 6 = \underline{14}$	$5 + 9 = \underline{14}$
	$11 + 5 = \underline{16}$	$\underline{7} + \underline{13} = \underline{20}$	$\underline{7} + \underline{5} = \underline{12}$	$4 + 10 = \underline{14}$
	$12 + 4 = \underline{16}$	$6 + 14 = \underline{20}$	$6 + 4 = \underline{10}$	$3 + 11 = \underline{14}$
	$13 + 3 = \underline{16}$	$5 + 15 = \underline{20}$	$5 + 3 = \underline{8}$	$2 + 12 = \underline{14}$

2	$6 + \underline{6} = 12$	$\underline{6} + 8 = 14$	$10 + \underline{5} = 15$
	$5 + \underline{7} = 12$	$\underline{7} + 7 = 14$	$\underline{8} + 7 = 15$
	$4 + \underline{8} = 12$	$\underline{8} + 6 = 14$	$6 + \underline{9} = 15$
	$3 + \underline{9} = 12$	$\underline{9} + 5 = 14$	$\underline{4} + 11 = 15$
	$2 + 10 = \underline{12}$	$10 + \underline{4} = 14$	$2 + \underline{13} = 15$
	$1 + 11 = \underline{12}$	$11 + \underline{3} = 14$	$0 + \underline{15} = 15$

Schöne Päckchen

3 $10 + 4 + 1 = \underline{15}$

$8 + 5 + 2 = \underline{15}$

$6 + 6 + 3 = \underline{15}$

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

$2 + \underline{8} + 5 = \underline{15}$

$0 + 9 + 6 = \underline{15}$

$10 + \underline{4} + 1 = 15$

$9 + \underline{4} + 2 = 15$

$8 + \underline{4} + 3 = 15$

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

$6 + \underline{4} + 5 = 15$

$5 + \underline{4} + 6 = 15$

$8 + 2 + \underline{10} = 20$

$8 + 3 + \underline{8} = 19$

$8 + 4 + \underline{6} = 18$

$8 + \underline{5} + 4 = 17$

$8 + 6 + \underline{2} = 16$

$8 + 7 + \underline{0} = 15$

4 $1 + 15 + 4 = \underline{20}$

$2 + 14 + 4 = \underline{20}$

$3 + 13 + 4 = \underline{20}$

$4 + 12 + \underline{4} = \underline{20}$

$5 + 11 + 4 = \underline{20}$

$6 + 10 + 4 = \underline{20}$

$1 + \underline{14} + 5 = 20$

$3 + \underline{11} + 4 = 18$

$5 + \underline{8} + 3 = 16$

$7 + \underline{5} + 2 = 14$

$9 + \underline{2} + \underline{1} = 12$

$2 + 2 + \underline{10} = 14$

$3 + 3 + \underline{8} = 14$

$4 + 4 + \underline{6} = 14$

$5 + 5 + \underline{4} = 14$

$6 + 6 + \underline{2} = 14$

$7 + \underline{7} + \underline{0} = 14$

Schöne Päckchen

1

1. Zahl: Plus 1
2. Zahl: Minus 1
Ergebnis: Plus 0



$$\begin{array}{r} 8 \\ + \underline{7} \\ = 15 \end{array}$$
$$\begin{array}{r} 9 \\ + \underline{6} \\ = 15 \end{array}$$
$$\begin{array}{r} 10 \\ + \underline{5} \\ = 15 \end{array}$$
$$\begin{array}{r} 11 \\ + \underline{4} \\ = 15 \end{array}$$
$$\begin{array}{r} 12 \\ + \underline{3} \\ = 15 \end{array}$$

$$\begin{array}{r} 6 \\ + \underline{6} \\ = 12 \end{array}$$
$$\begin{array}{r} 7 \\ + \underline{5} \\ = 12 \end{array}$$
$$\begin{array}{r} 8 \\ + \underline{4} \\ = 12 \end{array}$$
$$\begin{array}{r} 9 \\ + \underline{3} \\ = 12 \end{array}$$
$$\begin{array}{r} 10 \\ + \underline{2} \\ = 12 \end{array}$$

$$\begin{array}{r} 9 \\ + \underline{5} \\ = 14 \end{array}$$
$$\begin{array}{r} 10 \\ + \underline{4} \\ = 14 \end{array}$$
$$\begin{array}{r} 11 \\ + \underline{3} \\ = 14 \end{array}$$
$$\begin{array}{r} 12 \\ + \underline{2} \\ = 14 \end{array}$$
$$\begin{array}{r} 13 \\ + \underline{1} \\ = 14 \end{array}$$

2

1. Zahl: Plus 2
2. Zahl: Minus 2
Ergebnis: Plus 0



$$\begin{array}{r} 6 \\ + \underline{9} \\ = 15 \end{array}$$
$$\begin{array}{r} 8 \\ + \underline{7} \\ = 15 \end{array}$$
$$\begin{array}{r} 10 \\ + \underline{5} \\ = 15 \end{array}$$
$$\begin{array}{r} 12 \\ + \underline{3} \\ = 15 \end{array}$$
$$\begin{array}{r} 14 \\ + \underline{1} \\ = 15 \end{array}$$

$$\begin{array}{r} 4 \\ + \underline{8} \\ = 12 \end{array}$$
$$\begin{array}{r} 6 \\ + \underline{6} \\ = 12 \end{array}$$
$$\begin{array}{r} 8 \\ + \underline{4} \\ = 12 \end{array}$$
$$\begin{array}{r} 10 \\ + \underline{2} \\ = 12 \end{array}$$
$$\begin{array}{r} 12 \\ + \underline{0} \\ = 12 \end{array}$$

$$\begin{array}{r} 3 \\ + \underline{11} \\ = 14 \end{array}$$
$$\begin{array}{r} 5 \\ + \underline{9} \\ = 14 \end{array}$$
$$\begin{array}{r} 7 \\ + \underline{7} \\ = 14 \end{array}$$
$$\begin{array}{r} 9 \\ + \underline{5} \\ = 14 \end{array}$$
$$\begin{array}{r} 11 \\ + \underline{3} \\ = 14 \end{array}$$

Schöne Päckchen

3



$$\begin{array}{r} 6 \\ + \underline{9} \\ = 15 \end{array}$$

$$\begin{array}{r} 8 \\ + \underline{7} \\ = 15 \end{array}$$

$$\begin{array}{r} 10 \\ + \underline{5} \\ = 15 \end{array}$$

$$\begin{array}{r} 12 \\ + \underline{3} \\ = 15 \end{array}$$

$$\begin{array}{r} 14 \\ + \underline{1} \\ = 15 \end{array}$$

$$\begin{array}{r} 10 \\ + \underline{10} \\ = 20 \end{array}$$

$$\begin{array}{r} 12 \\ + \underline{8} \\ = 20 \end{array}$$

$$\begin{array}{r} 14 \\ + \underline{6} \\ = 20 \end{array}$$

$$\begin{array}{r} 16 \\ + \underline{4} \\ = 20 \end{array}$$

$$\begin{array}{r} 18 \\ + \underline{2} \\ = 20 \end{array}$$

$$\begin{array}{r} 5 \\ + \underline{9} \\ = 14 \end{array}$$

$$\begin{array}{r} 7 \\ + \underline{7} \\ = 14 \end{array}$$

$$\begin{array}{r} 9 \\ + \underline{5} \\ = 14 \end{array}$$

$$\begin{array}{r} 11 \\ + \underline{3} \\ = 14 \end{array}$$

$$\begin{array}{r} 13 \\ + \underline{1} \\ = 14 \end{array}$$

4



$$\begin{array}{r} 8 \\ + \underline{7} \\ = 15 \end{array}$$

$$\begin{array}{r} 6 \\ + \underline{9} \\ = 15 \end{array}$$

$$\begin{array}{r} 4 \\ + \underline{11} \\ = 15 \end{array}$$

$$\begin{array}{r} 2 \\ + \underline{13} \\ = 15 \end{array}$$

$$\begin{array}{r} 0 \\ + \underline{15} \\ = 15 \end{array}$$

$$\begin{array}{r} 10 \\ + \underline{2} \\ = 12 \end{array}$$

$$\begin{array}{r} 8 \\ + \underline{4} \\ = 12 \end{array}$$

$$\begin{array}{r} 6 \\ + \underline{6} \\ = 12 \end{array}$$

$$\begin{array}{r} 4 \\ + \underline{8} \\ = 12 \end{array}$$

$$\begin{array}{r} 2 \\ + \underline{10} \\ = 12 \end{array}$$

$$\begin{array}{r} 13 \\ + \underline{7} \\ = 20 \end{array}$$

$$\begin{array}{r} 11 \\ + \underline{9} \\ = 20 \end{array}$$

$$\begin{array}{r} 9 \\ + \underline{11} \\ = 20 \end{array}$$

$$\begin{array}{r} 7 \\ + \underline{13} \\ = 20 \end{array}$$

$$\begin{array}{r} 5 \\ + \underline{15} \\ = 20 \end{array}$$

Schöne Päckchen

1



$$\begin{array}{r} 6 \\ 7 \\ 8 \\ 9 \\ 10 \end{array} + \begin{array}{r} 10 \\ 8 \\ 6 \\ 4 \\ 2 \end{array} = \begin{array}{r} 16 \\ 15 \\ 14 \\ 13 \\ 12 \end{array}$$

$$\begin{array}{r} 5 \\ 6 \\ 7 \\ 8 \\ 9 \end{array} + \begin{array}{r} 8 \\ 6 \\ 4 \\ 2 \\ 0 \end{array} = \begin{array}{r} 13 \\ 12 \\ 11 \\ 10 \\ 9 \end{array}$$

$$\begin{array}{r} 5 \\ 6 \\ 7 \\ 8 \\ 9 \end{array} + \begin{array}{r} 9 \\ 7 \\ 5 \\ 3 \\ 1 \end{array} = \begin{array}{r} 14 \\ 13 \\ 12 \\ 11 \\ 10 \end{array}$$

2



$$\begin{array}{r} 4 \\ 6 \\ 8 \\ 10 \\ 12 \end{array} + \begin{array}{r} 13 \\ 10 \\ 7 \\ 4 \\ 1 \end{array} = \begin{array}{r} 17 \\ 16 \\ 15 \\ 14 \\ 13 \end{array}$$

$$\begin{array}{r} 3 \\ 5 \\ 7 \\ 9 \\ 11 \end{array} + \begin{array}{r} 12 \\ 9 \\ 6 \\ 3 \\ 0 \end{array} = \begin{array}{r} 15 \\ 14 \\ 13 \\ 12 \\ 11 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ 5 \\ 7 \\ 9 \end{array} + \begin{array}{r} 14 \\ 11 \\ 8 \\ 5 \\ 2 \end{array} = \begin{array}{r} 15 \\ 14 \\ 13 \\ 12 \\ 11 \end{array}$$

Schöne Päckchen

3



$$\begin{array}{r} 0 \\ + \\ 18 \\ \hline 18 \end{array}$$
$$\begin{array}{r} 4 \\ + \\ 14 \\ \hline 18 \end{array}$$
$$\begin{array}{r} 8 \\ + \\ 10 \\ \hline 18 \end{array}$$
$$\begin{array}{r} 12 \\ + \\ 6 \\ \hline 18 \end{array}$$
$$\begin{array}{r} 16 \\ + \\ 2 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 2 \\ + \\ 18 \\ \hline 20 \end{array}$$
$$\begin{array}{r} 6 \\ + \\ 14 \\ \hline 20 \end{array}$$
$$\begin{array}{r} 10 \\ + \\ 10 \\ \hline 20 \end{array}$$
$$\begin{array}{r} 14 \\ + \\ 6 \\ \hline 20 \end{array}$$
$$\begin{array}{r} 18 \\ + \\ 2 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 1 \\ + \\ 18 \\ \hline 19 \end{array}$$
$$\begin{array}{r} 5 \\ + \\ 14 \\ \hline 19 \end{array}$$
$$\begin{array}{r} 9 \\ + \\ 10 \\ \hline 19 \end{array}$$
$$\begin{array}{r} 13 \\ + \\ 6 \\ \hline 19 \end{array}$$
$$\begin{array}{r} 17 \\ + \\ 2 \\ \hline 19 \end{array}$$

4



$$\begin{array}{r} 2 \\ + \\ 9 \\ \hline 11 \end{array}$$
$$\begin{array}{r} 3 \\ + \\ 7 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 4 \\ + \\ 5 \\ \hline 9 \end{array}$$
$$\begin{array}{r} 5 \\ + \\ 3 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 6 \\ + \\ 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 6 \\ + \\ 14 \\ \hline 20 \end{array}$$
$$\begin{array}{r} 7 \\ + \\ 12 \\ \hline 19 \end{array}$$
$$\begin{array}{r} 8 \\ + \\ 10 \\ \hline 18 \end{array}$$
$$\begin{array}{r} 9 \\ + \\ 8 \\ \hline 17 \end{array}$$
$$\begin{array}{r} 10 \\ + \\ 6 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 1 \\ + \\ 10 \\ \hline 11 \end{array}$$
$$\begin{array}{r} 2 \\ + \\ 8 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 3 \\ + \\ 6 \\ \hline 9 \end{array}$$
$$\begin{array}{r} 4 \\ + \\ 4 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 5 \\ + \\ 2 \\ \hline 7 \end{array}$$

(Beispiele)

Schöne Päckchen

1

$$\begin{array}{r}
 11 + 4 = 15 \\
 9 + 5 = 14 \\
 7 + 6 = 13 \\
 5 + 7 = 12 \\
 3 + 8 = 11
 \end{array}$$

↓ ↓ ↓
-2 +1 -1

$$\begin{array}{r}
 11 + 4 = 15 \\
 10 + 6 = 16 \\
 9 + 8 = 17 \\
 8 + 10 = 18 \\
 7 + 12 = 19
 \end{array}$$

↓ ↓ ↓
-1 +2 +1

$$\begin{array}{r}
 11 + 4 = 15 \\
 13 + 3 = 16 \\
 15 + 2 = 17 \\
 17 + 1 = 18 \\
 19 + 0 = 19
 \end{array}$$

↓ ↓ ↓
+2 -1 +1

2

$$\begin{array}{r}
 5 + 3 = 8 \\
 7 + 4 = 11 \\
 9 + 5 = 14 \\
 11 + 6 = 17 \\
 13 + 7 = 20
 \end{array}$$

↓ ↓ ↓
+2 +1 +3

$$\begin{array}{r}
 5 + 3 = 8 \\
 6 + 5 = 11 \\
 7 + 7 = 14 \\
 8 + 9 = 17 \\
 9 + 11 = 20
 \end{array}$$

↓ ↓ ↓
+1 +2 +3

$$\begin{array}{r}
 5 + 3 = 8 \\
 5 + 6 = 11 \\
 5 + 9 = 14 \\
 5 + 12 = 17 \\
 5 + 15 = 20
 \end{array}$$

↓ ↓ ↓
+0 +3 +3

Schöne Päckchen (Beispiele)

3

$$\begin{array}{r} 4 \\ 5 \\ 6 \\ 7 \\ 8 \end{array} + \begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} = \begin{array}{r} 5 \\ 6 \\ 7 \\ 8 \\ 9 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +1 \\ +0 \\ +1 \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{array} + \begin{array}{r} 0 \\ 1 \\ 2 \\ 3 \\ 4 \end{array} = \begin{array}{r} 1 \\ 3 \\ 5 \\ 7 \\ 9 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +1 \\ +1 \\ +2 \end{array}$$

$$\begin{array}{r} 0 \\ 2 \\ 4 \\ 6 \\ 8 \end{array} + \begin{array}{r} 20 \\ 16 \\ 12 \\ 8 \\ 4 \end{array} = \begin{array}{r} 20 \\ 18 \\ 16 \\ 14 \\ 12 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +2 \\ -4 \\ -2 \end{array}$$

4

$$\begin{array}{r} 5 \\ 8 \\ 11 \\ 14 \\ 17 \end{array} + \begin{array}{r} 5 \\ 4 \\ 3 \\ 2 \\ 1 \end{array} = \begin{array}{r} 10 \\ 12 \\ 14 \\ 16 \\ 18 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +3 \\ -1 \\ +2 \end{array}$$

$$\begin{array}{r} 10 \\ 8 \\ 6 \\ 4 \\ 2 \end{array} + \begin{array}{r} 5 \\ 4 \\ 3 \\ 2 \\ 1 \end{array} = \begin{array}{r} 15 \\ 12 \\ 9 \\ 6 \\ 3 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} -2 \\ -1 \\ -3 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ 5 \\ 7 \\ 9 \end{array} + \begin{array}{r} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array} = \begin{array}{r} 1 \\ 3 \\ 5 \\ 7 \\ 9 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +2 \\ +0 \\ +2 \end{array}$$

Aufgaben vergleichen

1  .

$14 - 4 = \underline{10}$

$13 - 3 = \underline{10}$

$17 - 7 = \underline{10}$

$16 - 6 = \underline{10}$

$14 - 5 = \underline{9}$

$13 - 4 = \underline{9}$

$17 - 8 = \underline{9}$

$16 - 7 = \underline{9}$

$18 - 8 = \underline{10}$

$15 - 5 = \underline{10}$

$19 - 9 = \underline{10}$

$12 - 2 = \underline{10}$

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

$15 - \underline{6} = \underline{9}$

$19 - \underline{10} = \underline{9}$

$12 - \underline{3} = \underline{9}$

2 $14 - \underline{4} = 10$ $17 - \underline{7} = 10$ $16 - \underline{6} = 10$ $15 - \underline{5} = 10$
 $\underline{14} - 5 = 9$ $\underline{17} - 8 = 9$ $\underline{16} - 7 = 9$ $\underline{15} - 6 = 9$

3  .

$12 - 5 = \underline{7}$

$14 - 5 = \underline{9}$

$11 - 5 = \underline{6}$

$13 - 5 = \underline{8}$

$10 - 3 = \underline{7}$

$10 - 1 = \underline{9}$

$10 - 4 = \underline{6}$

$10 - 2 = \underline{8}$

Aufgaben vergleichen

4

1. Zahl: Plus 0
2. Zahl: Plus 1
Ergebnis: Minus 1



$$15 - \underline{5} = 10$$

$$15 - \underline{6} = 9$$

$$14 - \underline{7} = 7$$

$$14 - \underline{8} = 6$$

$$16 - \underline{5} = 11$$

$$16 - \underline{6} = 10$$

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

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

$$17 - \underline{7} = 10$$

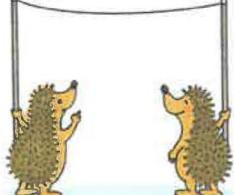
$$17 - \underline{8} = 9$$

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

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

5

1. Zahl: Minus 1
2. Zahl: Minus 1
Ergebnis: Plus 0



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

$$12 - \underline{2} = 10$$

$$16 - \underline{5} = 11$$

$$15 - \underline{4} = 11$$

$$14 - \underline{5} = 9$$

$$13 - \underline{4} = 9$$

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

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

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

$$\underline{17} - \underline{8} = 9$$

$$20 - \underline{10} = 10$$

$$\underline{19} - \underline{9} = 10$$

Schöne Päckchen

1	$12 - 8 = \underline{4}$	$12 - 8 = \underline{4}$	$12 - 8 = \underline{4}$	$15 - 5 = \underline{10}$
	$13 - 7 = \underline{6}$	$11 - 7 = \underline{4}$	$13 - 9 = \underline{4}$	$14 - 6 = \underline{8}$
	$14 - 6 = \underline{8}$	$10 - 6 = \underline{4}$	$14 - 10 = \underline{4}$	$13 - 7 = \underline{6}$
	$15 - 5 = \underline{10}$	$9 - 5 = \underline{4}$	$15 - 11 = \underline{4}$	$12 - 8 = \underline{4}$
	$\underline{16} - 4 = \underline{12}$	$\underline{8} - 4 = \underline{4}$	$\underline{16} - \underline{12} = \underline{4}$	$\underline{11} - \underline{9} = \underline{2}$
	$\underline{17} - 3 = \underline{14}$	$\underline{7} - 3 = \underline{4}$	$\underline{17} - \underline{13} = \underline{4}$	$\underline{10} - \underline{10} = \underline{0}$

2	$12 - \underline{7} = 5$	$\underline{18} - 8 = 10$	$20 - \underline{8} = 12$
	$13 - \underline{8} = 5$	$\underline{17} - 7 = 10$	$\underline{18} - 6 = 12$
	$14 - \underline{9} = 5$	$\underline{16} - 6 = 10$	$16 - \underline{4} = 12$
	$15 - \underline{10} = 5$	$\underline{15} - 5 = 10$	$\underline{14} - 2 = 12$
	$\underline{16} - \underline{11} = 5$	$\underline{14} - \underline{4} = 10$	$\underline{12} - \underline{0} = 12$
	$\underline{17} - \underline{12} = \underline{5}$	$\underline{13} - \underline{3} = 10$	

Schöne Päckchen

3



$$\begin{array}{r} 8 \\ - 7 \\ \hline 1 \end{array}$$
$$\begin{array}{r} 9 \\ - 6 \\ \hline 3 \end{array}$$
$$\begin{array}{r} 10 \\ - 5 \\ \hline 5 \end{array}$$
$$\begin{array}{r} 11 \\ - 4 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 12 \\ - 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 10 \\ - 6 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 11 \\ - 5 \\ \hline 6 \end{array}$$
$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 13 \\ - 3 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 14 \\ - 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \\ \hline 0 \end{array}$$
$$\begin{array}{r} 6 \\ - 4 \\ \hline 2 \end{array}$$
$$\begin{array}{r} 7 \\ - 3 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 8 \\ - 2 \\ \hline 6 \end{array}$$
$$\begin{array}{r} 9 \\ - 1 \\ \hline 8 \end{array}$$

4



$$\begin{array}{r} 12 \\ - 9 \\ \hline 3 \end{array}$$
$$\begin{array}{r} 14 \\ - 7 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 16 \\ - 5 \\ \hline 11 \end{array}$$
$$\begin{array}{r} 18 \\ - 3 \\ \hline 15 \end{array}$$
$$\begin{array}{r} 20 \\ - 1 \\ \hline 19 \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \\ \hline 2 \end{array}$$
$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$$
$$\begin{array}{r} 14 \\ - 4 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 16 \\ - 2 \\ \hline 14 \end{array}$$
$$\begin{array}{r} 18 \\ - 0 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 9 \\ - 9 \\ \hline 0 \end{array}$$
$$\begin{array}{r} 11 \\ - 7 \\ \hline 4 \end{array}$$
$$\begin{array}{r} 13 \\ - 5 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 15 \\ - 3 \\ \hline 12 \end{array}$$
$$\begin{array}{r} 17 \\ - 1 \\ \hline 16 \end{array}$$

Schöne Päckchen

1



$$\begin{array}{r} 16 - \underline{5} = 11 \\ 17 - \underline{7} = 10 \\ 18 - \underline{9} = \underline{9} \\ 19 - \underline{11} = \underline{8} \\ 20 - \underline{13} = \underline{7} \end{array}$$

$$\begin{array}{r} 14 - \underline{1} = 13 \\ 15 - \underline{3} = 12 \\ 16 - \underline{5} = 11 \\ 17 - \underline{7} = 10 \\ 18 - \underline{9} = \underline{9} \end{array}$$

$$\begin{array}{r} 7 - \underline{3} = 4 \\ 8 - \underline{5} = \underline{3} \\ 9 - \underline{7} = \underline{2} \\ 10 - \underline{9} = \underline{1} \\ 11 - \underline{11} = \underline{0} \end{array}$$

2



$$\begin{array}{r} 19 - \underline{7} = 12 \\ 18 - \underline{7} = 11 \\ 17 - \underline{7} = \underline{10} \\ 16 - \underline{7} = \underline{9} \\ 15 - \underline{7} = \underline{8} \end{array}$$

$$\begin{array}{r} 12 - \underline{4} = 8 \\ 11 - \underline{4} = \underline{7} \\ 10 - \underline{4} = \underline{6} \\ 9 - \underline{4} = \underline{5} \\ 8 - \underline{4} = \underline{4} \end{array}$$

$$\begin{array}{r} 10 - \underline{1} = 9 \\ 9 - \underline{1} = \underline{8} \\ 8 - \underline{1} = \underline{7} \\ 7 - \underline{1} = \underline{6} \\ 6 - \underline{1} = \underline{5} \end{array}$$

Schöne Päckchen (Beispiele)

3



$$\begin{array}{r} 10 \\ - 2 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 11 \\ - 3 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 13 \\ - 5 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 14 \\ - 6 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 15 \\ - 1 \\ \hline 14 \end{array}$$
$$\begin{array}{r} 16 \\ - 2 \\ \hline 14 \end{array}$$
$$\begin{array}{r} 17 \\ - 3 \\ \hline 14 \end{array}$$
$$\begin{array}{r} 18 \\ - 4 \\ \hline 14 \end{array}$$
$$\begin{array}{r} 19 \\ - 5 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 9 \\ - 2 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 10 \\ - 3 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 11 \\ - 4 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 12 \\ - 5 \\ \hline 7 \end{array}$$

4



$$\begin{array}{r} 10 \\ - 0 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 11 \\ - 2 \\ \hline 9 \end{array}$$
$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 13 \\ - 6 \\ \hline 7 \end{array}$$
$$\begin{array}{r} 14 \\ - 8 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 12 \\ - 1 \\ \hline 11 \end{array}$$
$$\begin{array}{r} 13 \\ - 3 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 14 \\ - 5 \\ \hline 9 \end{array}$$
$$\begin{array}{r} 15 \\ - 7 \\ \hline 8 \end{array}$$
$$\begin{array}{r} 16 \\ - 9 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 15 \\ - 3 \\ \hline 12 \end{array}$$
$$\begin{array}{r} 16 \\ - 5 \\ \hline 11 \end{array}$$
$$\begin{array}{r} 17 \\ - 7 \\ \hline 10 \end{array}$$
$$\begin{array}{r} 18 \\ - 9 \\ \hline 9 \end{array}$$
$$\begin{array}{r} 19 \\ - 11 \\ \hline 8 \end{array}$$

Schöne Päckchen

1

$$\begin{array}{r} 15 \\ - 4 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 16 \\ - 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 17 \\ - 6 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 18 \\ - 7 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 19 \\ - 8 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 15 \\ - 4 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 14 \\ - 3 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 13 \\ - 2 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 12 \\ - 1 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 11 \\ - 0 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 15 \\ - 4 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 14 \\ - 5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 13 \\ - 6 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 11 \\ - 8 \\ \hline 3 \end{array}$$

2

$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 14 \\ - 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 16 \\ - 8 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 20 \\ - 10 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 13 \\ - 8 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 14 \\ - 10 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 15 \\ - 12 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 16 \\ - 14 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 12 \\ - 6 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 15 \\ - 9 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 18 \\ - 12 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 21 \\ - 15 \\ \hline 6 \end{array}$$

Schöne Päckchen (Beispiele)

3

$$\begin{array}{r} 10 \\ 11 \\ 12 \\ 13 \\ 14 \end{array} - \begin{array}{r} 5 \\ 5 \\ 5 \\ 5 \\ 5 \end{array} = \begin{array}{r} 5 \\ 6 \\ 7 \\ 8 \\ 9 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +1 \\ +0 \\ +1 \end{array}$$

$$\begin{array}{r} 15 \\ 15 \\ 15 \\ 15 \\ 15 \end{array} - \begin{array}{r} 14 \\ 12 \\ 10 \\ 8 \\ 6 \end{array} = \begin{array}{r} 1 \\ 3 \\ 5 \\ 7 \\ 9 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +0 \\ -2 \\ +2 \end{array}$$

$$\begin{array}{r} 20 \\ 20 \\ 20 \\ 20 \\ 20 \end{array} - \begin{array}{r} 0 \\ 2 \\ 4 \\ 6 \\ 8 \end{array} = \begin{array}{r} 20 \\ 18 \\ 16 \\ 14 \\ 12 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} +0 \\ +2 \\ -2 \end{array}$$

4

$$\begin{array}{r} 18 \\ 17 \\ 16 \\ 15 \\ 14 \end{array} - \begin{array}{r} 16 \\ 14 \\ 12 \\ 10 \\ 8 \end{array} = \begin{array}{r} 2 \\ 3 \\ 4 \\ 5 \\ 6 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} -1 \\ -2 \\ +1 \end{array}$$

$$\begin{array}{r} 20 \\ 19 \\ 18 \\ 17 \\ 16 \end{array} - \begin{array}{r} 1 \\ 4 \\ 7 \\ 10 \\ 13 \end{array} = \begin{array}{r} 19 \\ 15 \\ 11 \\ 7 \\ 3 \end{array}$$

\downarrow \downarrow \downarrow

$$\begin{array}{r} -1 \\ +3 \\ -4 \end{array}$$

$$\begin{array}{r} 19 \\ 17 \\ 15 \\ 13 \\ 11 \end{array} - \begin{array}{r} 8 \\ 7 \\ 6 \\ 5 \\ 4 \end{array} = \begin{array}{r} 11 \\ 10 \\ 9 \\ 8 \\ 7 \end{array}$$

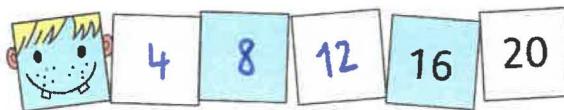
\downarrow \downarrow \downarrow

$$\begin{array}{r} -2 \\ -1 \\ -1 \end{array}$$

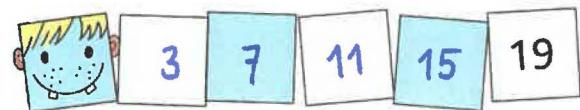
Zahlenraupen

1 Vergleiche. Was fällt dir auf? Zeichne ein.

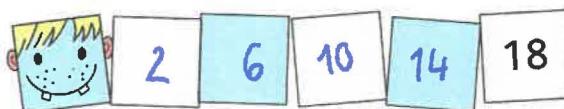
Immer + 4



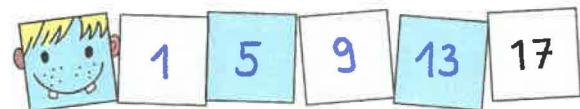
Immer + 4



Immer + 4



Immer + 4



2 Vergleiche. Findest du eine passende Zahlenraupe?

Immer + 2



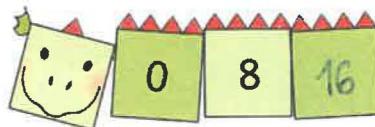
Immer + 1



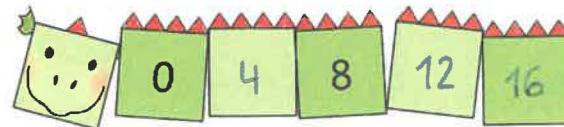
Zahlenraupen

3 Finde Zahlenraupen mit derselben Mittelzahl.

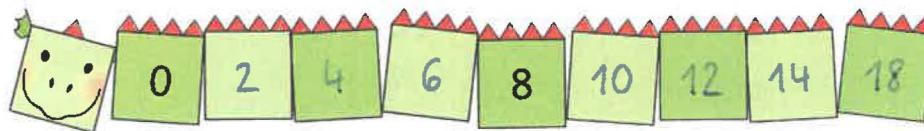
Immer + 8



Immer + 4

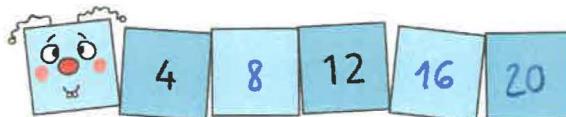


Immer + 2



4 Finde Zahlenraupen mit derselben Mittelzahl.

Immer + 4



Immer + 4

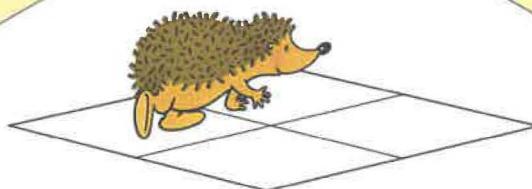


Nachbaraufgaben

1 Finde und rechne die Nachbaraufgaben.

A diamond-shaped diagram divided into four quadrants by a central cross. The top-left quadrant is yellow with the equation $7+5=12$. The top-right quadrant is light yellow with the equation $1+6=13$. The bottom-left quadrant is orange with the equation $6+5=11$. The bottom-right quadrant is red with the equation $6+6=12$.

A diamond-shaped diagram divided into four quadrants by a central cross. The top-left quadrant is light yellow with the equation $9+\underline{7}=16$. The top-right quadrant is light yellow with the equation $9+\underline{8}=17$. The bottom-left quadrant is light yellow with the equation $8+\underline{1}=15$. The bottom-right quadrant is red with the equation $8+8=16$.



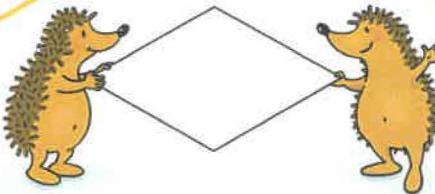
A diamond-shaped diagram divided into four quadrants by a central cross. The top-left quadrant is light yellow with the equation $9+\underline{3}=12$. The top-right quadrant is orange with the equation $9+\underline{4}=13$. The bottom-left quadrant is light yellow with the equation $8+\underline{3}=11$. The bottom-right quadrant is orange with the equation $8+\underline{4}=12$.

A diamond-shaped diagram divided into four quadrants by a central cross. The top-left quadrant is light yellow with the equation $9+\underline{6}=15$. The top-right quadrant is light yellow with the equation $10+\underline{7}=17$. The bottom-left quadrant is light yellow with the equation $8+6=14$. The bottom-right quadrant is green with the equation $10+8=18$.

Nachbaraufgaben

2 Finde und rechne die Nachbaraufgaben.

$$\begin{array}{ccc} & 13 - 7 = \underline{\underline{6}} & \\ 12 - 7 = 5 & & 14 - 8 = 6 \\ & 13 - 8 = \underline{\underline{5}} & \\ 12 - 8 = 4 & & 14 - 9 = 5 \\ & 13 - 9 = \underline{\underline{4}} & \end{array}$$



$$\begin{array}{ccc} & 10 - \underline{\underline{6}} = 4 & \\ 9 - \underline{\underline{6}} = 3 & & 11 - \underline{\underline{7}} = 4 \\ & 10 - \underline{\underline{7}} = 3 & \\ 9 - \underline{\underline{7}} = 2 & & 11 - \underline{\underline{8}} = 3 \\ & 10 - \underline{\underline{8}} = 2 & \end{array}$$

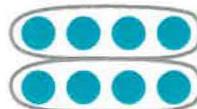
$$\begin{array}{ccc} & 14 - 7 = \underline{\underline{7}} & \\ 13 - 7 = \underline{\underline{6}} & & 15 - 8 = \underline{\underline{7}} \\ & 14 - \underline{\underline{8}} = \underline{\underline{6}} & \end{array}$$

$$\begin{array}{ccc} & 9 - \underline{\underline{5}} = 4 & 11 - \underline{\underline{6}} = 5 \\ 8 - 5 = \underline{\underline{3}} & & 10 - 6 = \underline{\underline{4}} \\ & 9 - \underline{\underline{6}} = \underline{\underline{3}} & 11 - \underline{\underline{7}} = \underline{\underline{4}} \\ & 12 - 7 = \underline{\underline{5}} & \end{array}$$

Plusaufgaben mit gleichen Zahlen

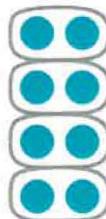
1 Kreise ein und rechne. Was fällt dir auf?

2 Vierer



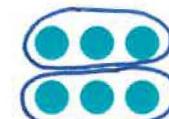
$$4 + 4 = 8$$

4 Zweier



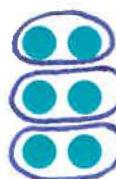
$$2 + 2 + 2 + 2 = 8$$

2 Dreier



$$3 + 3 = 6$$

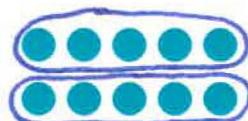
3 Zweier



$$2 + 2 + 2 = 6$$

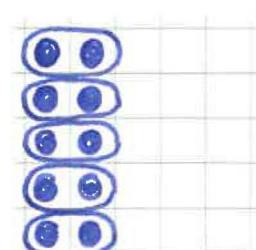
2 Finde die Partneraufgabe. Schreibe und male.

2 Fünfer



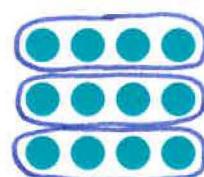
$$5 + 5 = 10$$

5 Zweier



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

3 Vierer



$$4 + 4 + 4 = 12$$

4 Dreier

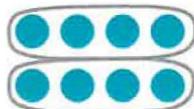


$$3 + 3 + 3 + 3 = 12$$

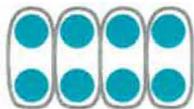
Plusaufgaben mit gleichen Zahlen

3 Ein Bild – immer 2 Aufgaben? Kreise ein.

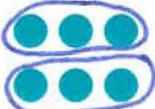
$2 \text{ mal } 4 = 8$



$4 \text{ mal } 2 = 8$



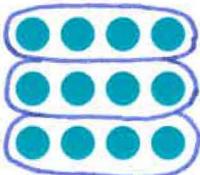
$2 \text{ mal } 3 = 6$



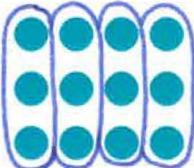
$3 \text{ mal } 2 = 6$



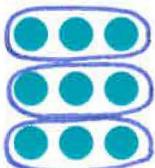
$3 \text{ mal } 4 = 12$



$4 \text{ mal } 3 = 12$



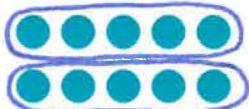
$3 \text{ mal } 3 = 9$



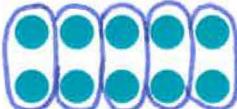
$3 \text{ mal } 3 = 9$



$2 \text{ mal } 5 = 10$



$5 \text{ mal } 2 = 10$



$2 \text{ mal } 2 = 4$

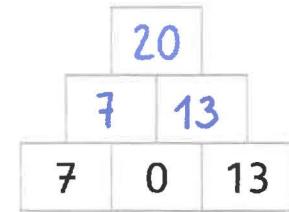
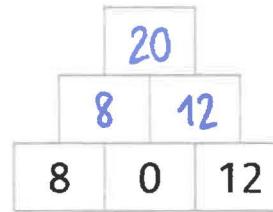
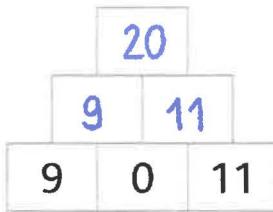
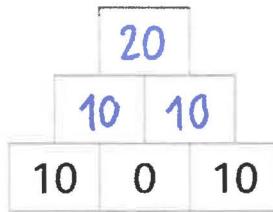


$2 \text{ mal } 2 = 4$

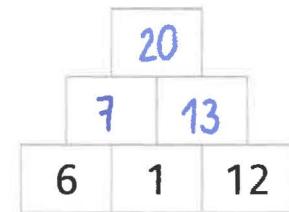
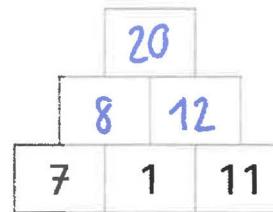
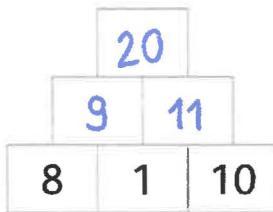
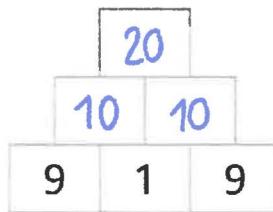


Zahlenmauern

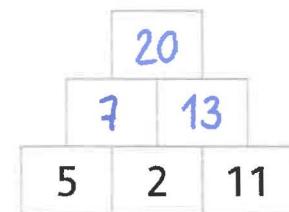
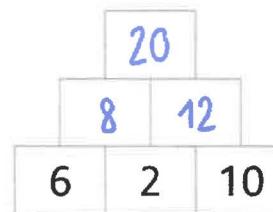
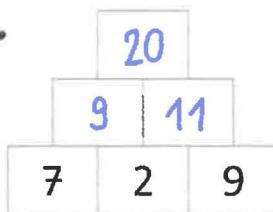
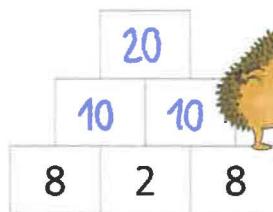
1



2

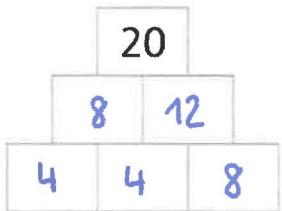
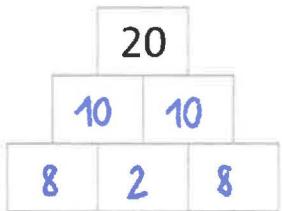
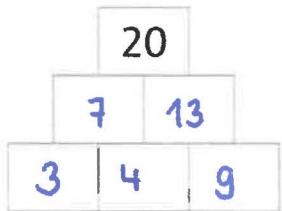
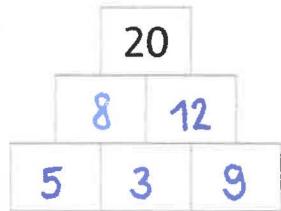


3

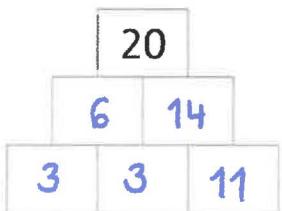
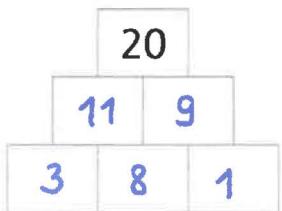
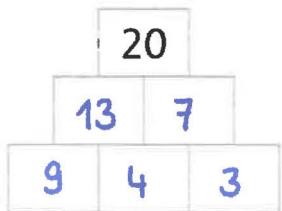
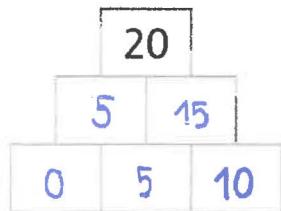


Zahlenmauern (Beispiele)

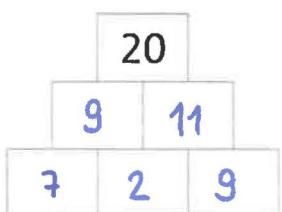
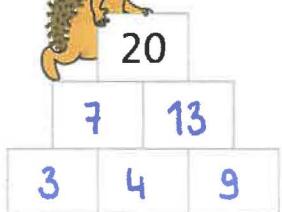
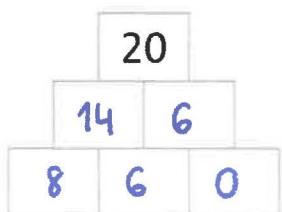
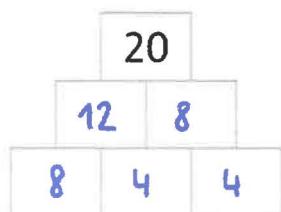
4



5

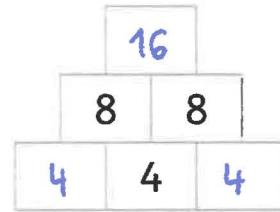
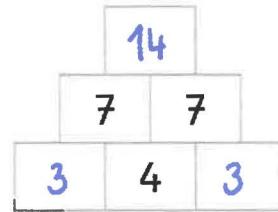
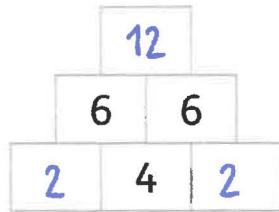
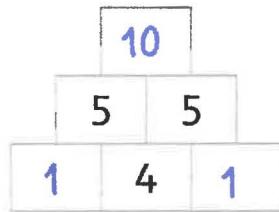


6

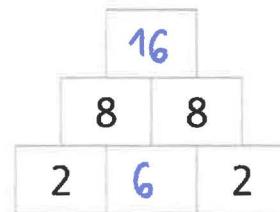
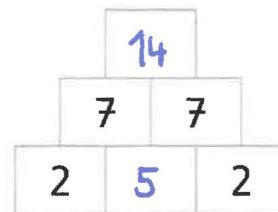
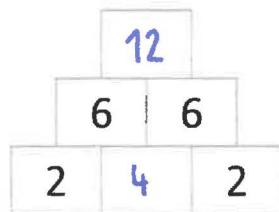
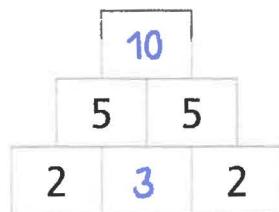


Zahlenmauern

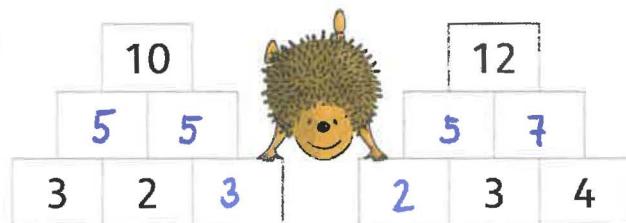
1



2

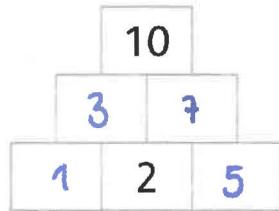
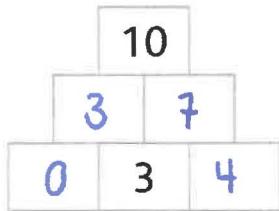
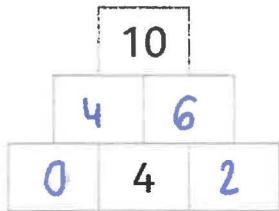
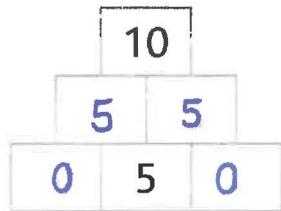


3

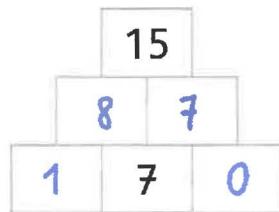
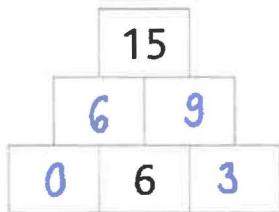
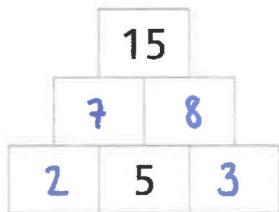
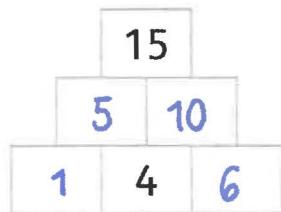


Zahlenmauern (Beispiele)

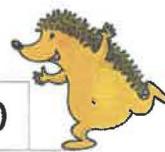
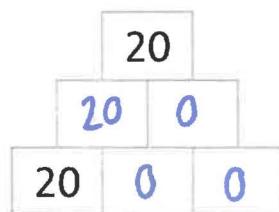
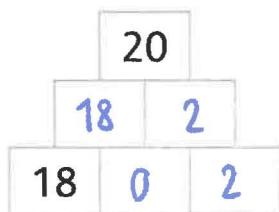
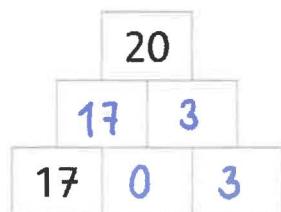
4



5

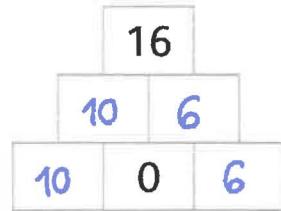
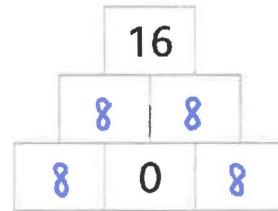
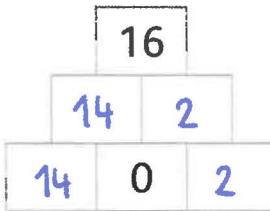
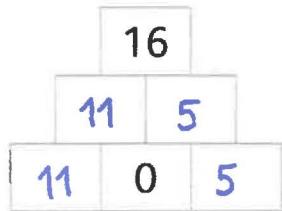


6

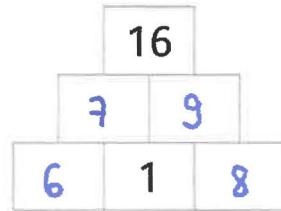
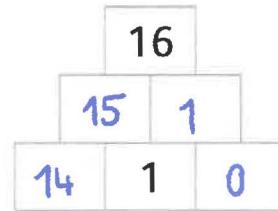
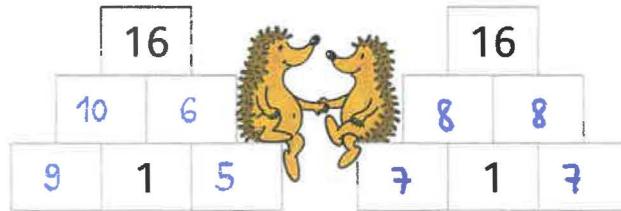


Zahlenmauern (Beispiele)

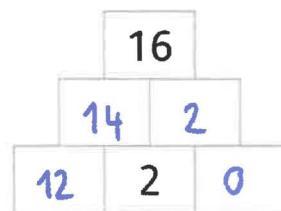
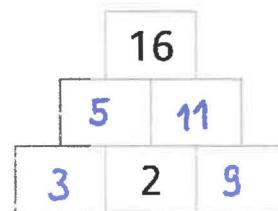
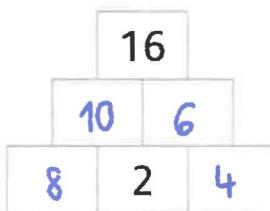
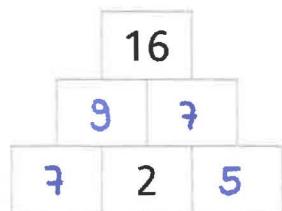
1



2

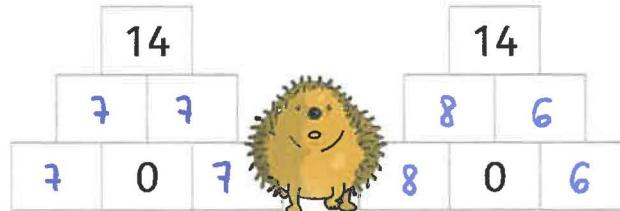
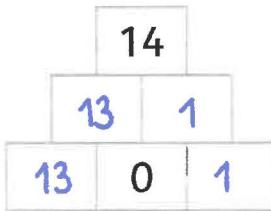
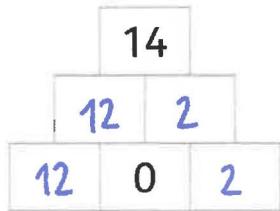


3

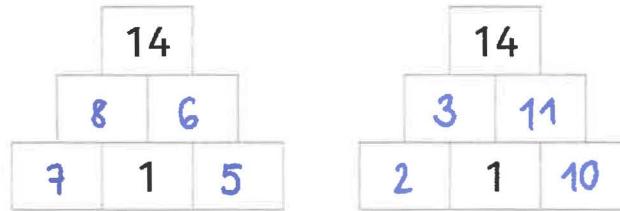
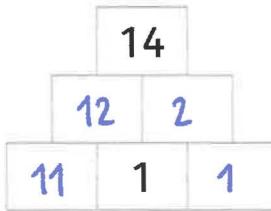
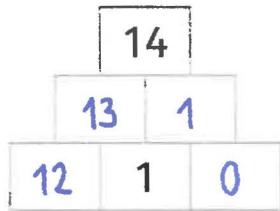


Zahlenmauern (Beispiele)

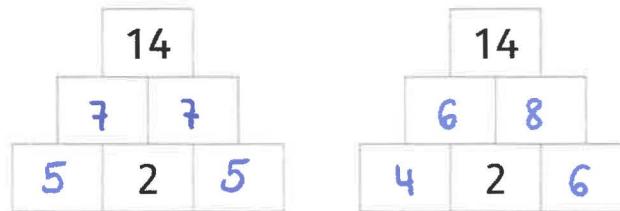
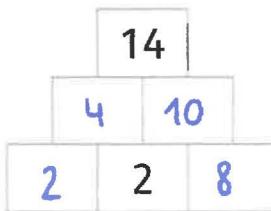
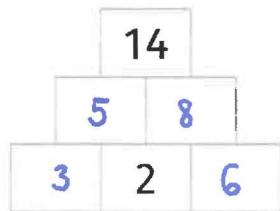
4



5



6



Rechenrätsel

1 Wie viele Räder? Überlege mit einer Tabelle.

8 Roller haben

16 Räder.

	1	2	4	8	
	2	4	8	16	



10 Roller haben

20 Räder.

	2	4	6	8	10
	4	8	12	16	20



5 Autos haben

20 Räder.

	1	2	3	4	5
	4	8	12	16	20

3 Autos haben

12 Räder.

	1	2	3	
	4	8	12	

Rechenrätsel

2 Wie viele Fahrzeuge? Überlege mit einer Tabelle.

4 Roller haben
8 Räder.

	1	2	3	4
	2	4	6	8



7 Roller haben
14 Räder.

	1	3	5	7
	2	6	10	14



4 Autos haben
16 Räder.

	1	2	3	4
	4	8	12	16

5 Autos haben
20 Räder.

	1	2	3	4	5
	4	8	12	16	20

Rechenrätsel

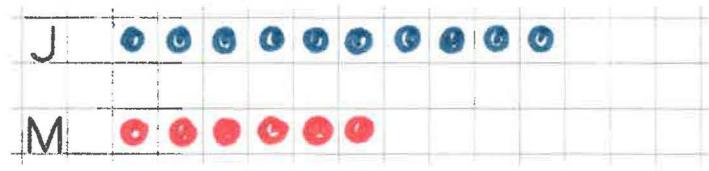
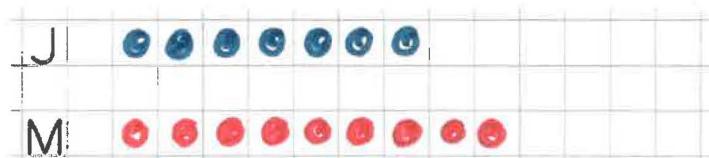
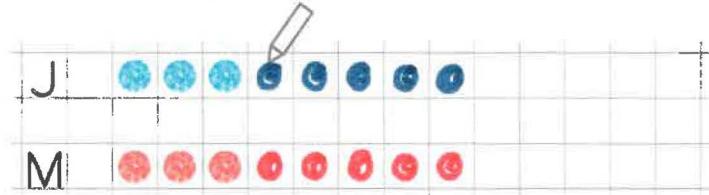
1 Es sind immer 16 Kinder. Male und überlege.

Es sind gleich viele
Jungen und Mädchen.

Es sind 2 Mädchen
mehr als Jungen.

Es sind 4 Jungen
mehr als Mädchen.

Es sind halb so viele
Jungen wie Mädchen.



J
M

nicht lösbar

Rechenrätsel

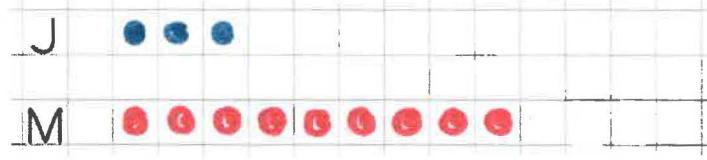
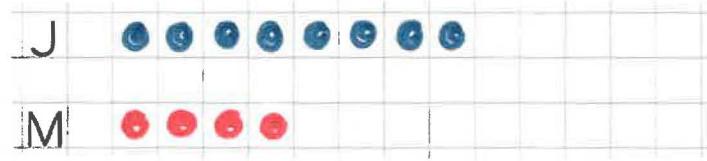
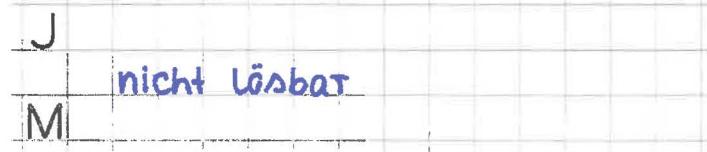
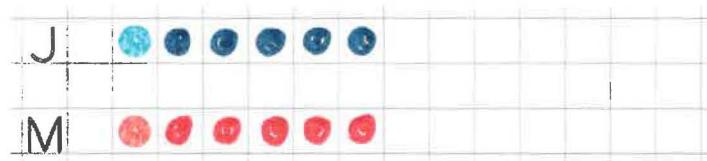
2 Es sind immer 12 Kinder. Kann das sein? Male und überprüfe.

Es sind gleich viele
Jungen und Mädchen.

Es sind 3 Jungen
mehr als Mädchen.

Es sind doppelt so viele
Jungen wie Mädchen.

Es sind 3-mal so viele
Mädchen wie Jungen.



Immer der Reihe nach



1 12 Kinder stehen in der Reihe.

Lena steht **an** der 7. Stelle, Mila steht **an** der 2. Stelle.

Wie viele Kinder stehen **zwischen** Mila und Lena? 4 Kinder

Wie viele Kinder stehen **hinter** Lena? 5 Kinder

Wie viele Kinder stehen **hinter** Mila? 10 Kinder

2 15 Kinder stehen in der Reihe.

Eric steht **an** der 9. Stelle, Murat steht **an** der 3. Stelle.

Wie viele Kinder stehen **zwischen** Murat und Eric? 5 Kinder

Wie viele Kinder stehen **hinter** Eric? 6 Kinder

Wie viele Kinder stehen **hinter** Murat? 12 Kinder

Immer der Reihe nach



3 Paul steht **an** der 6. Stelle in der Reihe. **Hinter** Paul stehen 5 Kinder.

Wie viele Kinder stehen in der Reihe? 11 Kinder

4 Paul steht **an** der 6. Stelle. Marta steht 3 Plätze **hinter** Paul.

An welcher Stelle steht Marta? 9. Stelle

5 **Vor** Till stehen 3 Kinder. **Hinter** Till stehen 6 Kinder.

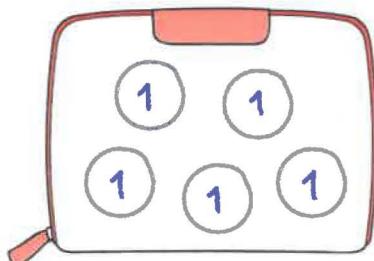
Wie viele Kinder stehen in der Reihe? 10 Kinder

6 12 Kinder stehen in einer Reihe. **Hinter** Kim stehen 5 Kinder.

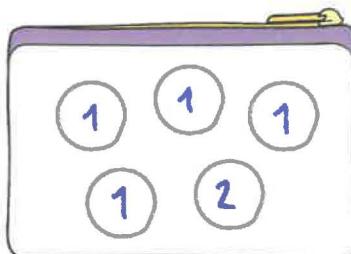
An welcher Stelle steht Kim? 7. Stelle

Münzen

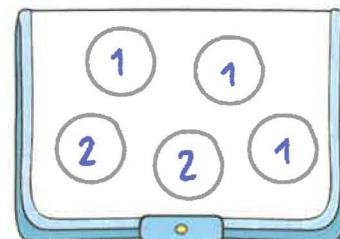
1 Lege immer mit 5 Münzen.



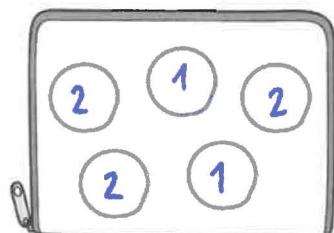
5 Cent



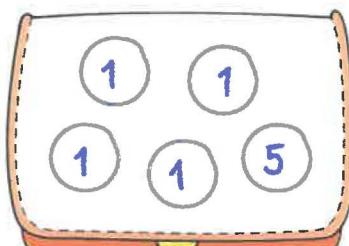
6 Cent



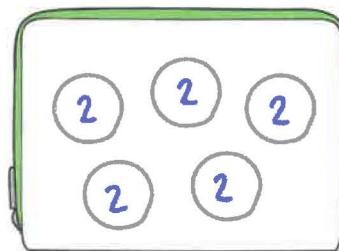
7 Cent



8 Cent



9 Cent

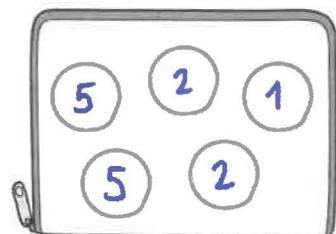


10 Cent

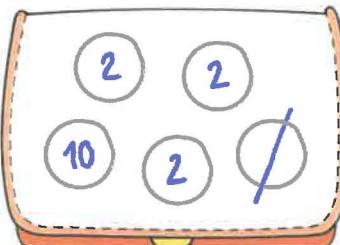
Münzen

2 Immer 5 Münzen. (Beispiele)

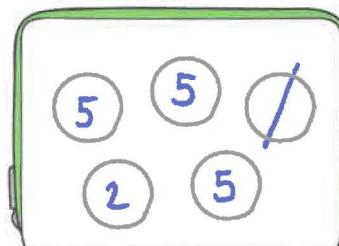
Was kannst du legen? Male oder streiche durch.



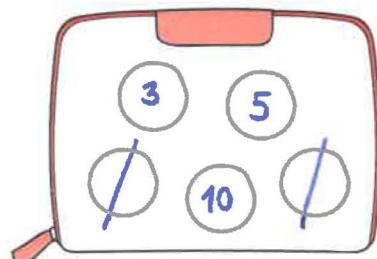
15 Cent



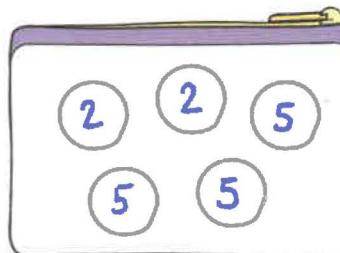
16 Cent



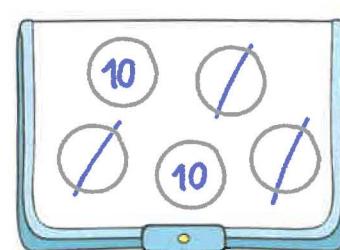
17 Cent



18 Cent



19 Cent

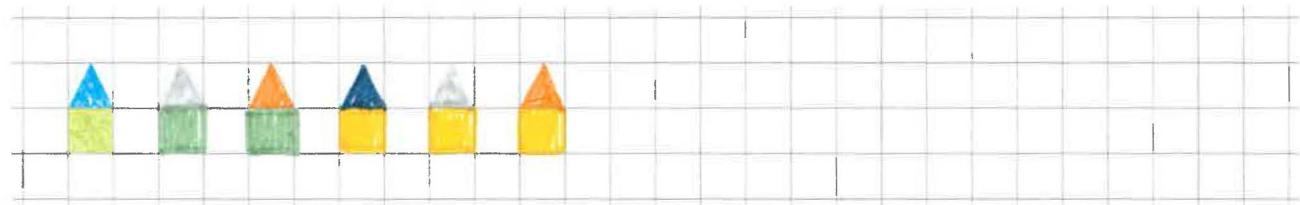


20 Cent

Kombinatorik

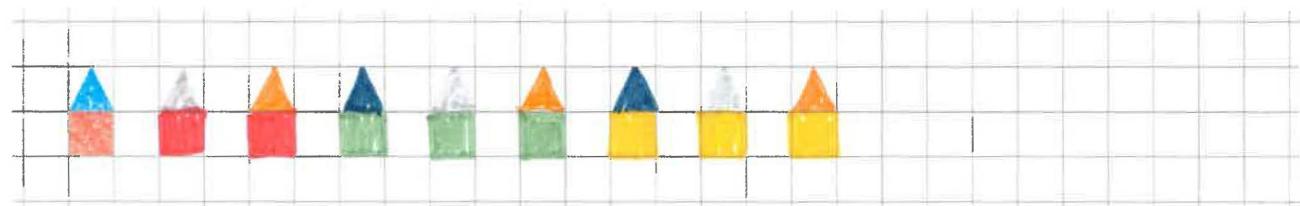
1 3 Dreiecke und 2 Quadrate.

Wie viele Häuser gibt es?



2 1 Quadrat mehr.

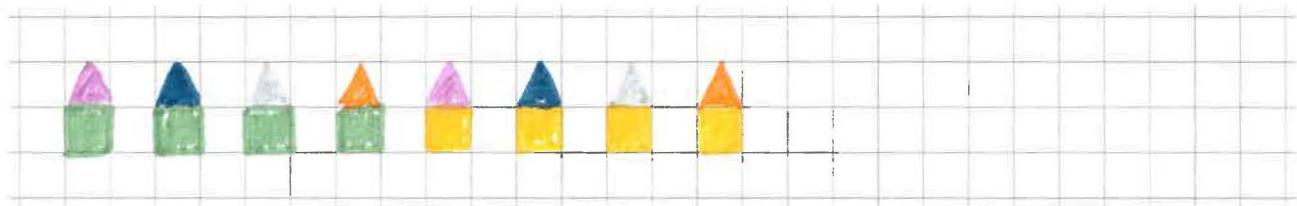
Wie viele Häuser gibt es?



Kombinatorik

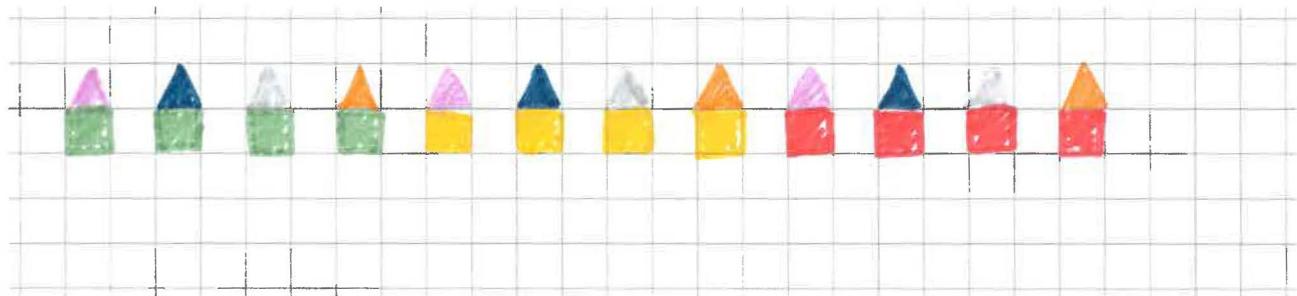
3 1 Dreieck mehr.

Wie viele Häuser gibt es?



4 4 Dreiecke und 3 Quadrate.

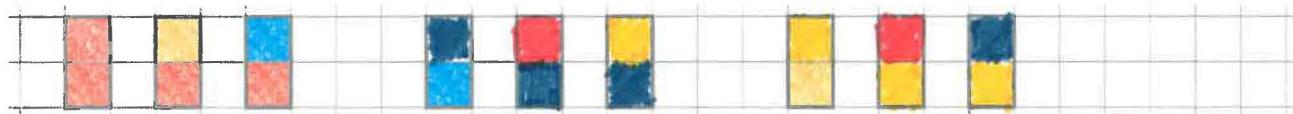
Wie viele Häuser gibt es?



Kombinatorik

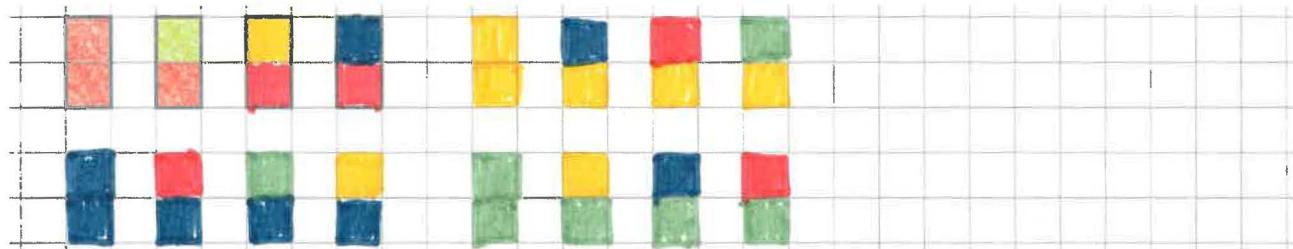
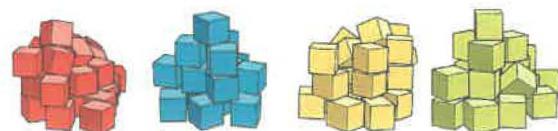
1 Viele Klötze in 3 Farben.

Wie viele Türme mit 2 Klötzen?



2 Eine Farbe mehr.

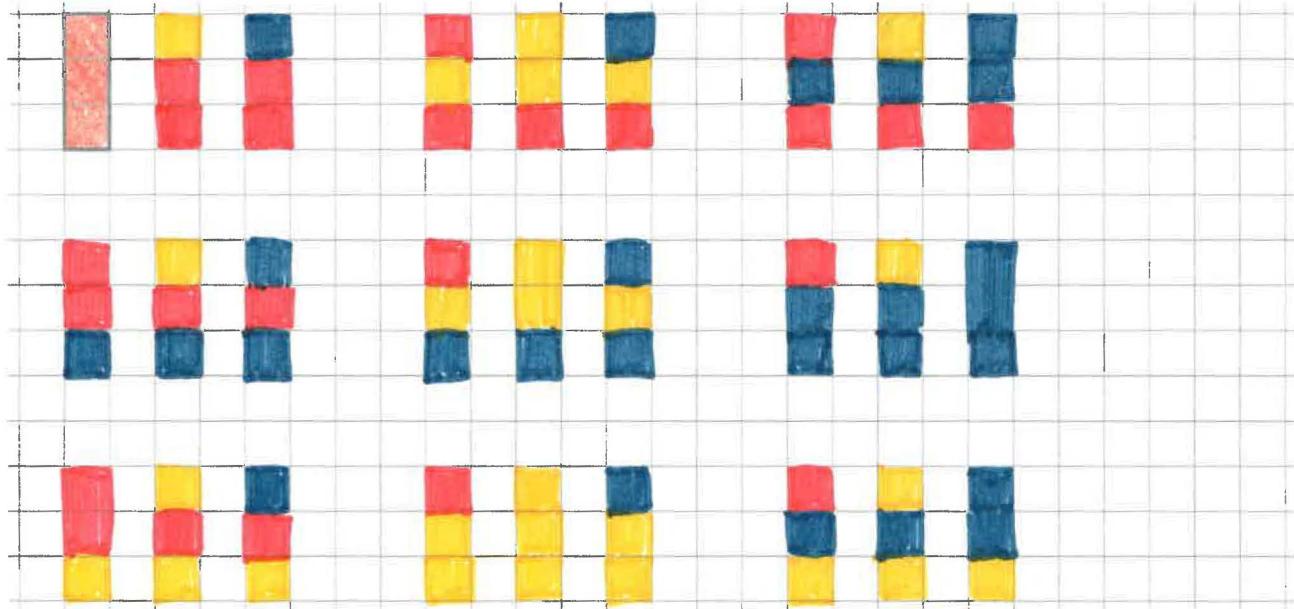
Wie viele Türme mit 2 Klötzen?



Kombinatorik

3 Türme mit 3 Klötzen.

Wie viele? Vergleiche.



Das habe ich geschafft!



Male die Pilze aus. Für jede fertige Seite einen.

