

Gerlinde Fürnstahl u. a.

LEHRPLAN
NEU

Wir lernen



Mathematik

1



B

Lösungen

Mit Geld rechnen



Lege die Beträge mit dem Rechengeld.

1 Wechsle in 1-Cent-Münzen.

1 1	1 1 1 1 1

1 1 1 1 1 1 1 1 1 1

 8 c	 10 c
--------------------	---------------------

3 Immer 10 Cent!

	2
	1
	5

$$10\text{ c} = 8\text{ c} + \underline{2}\text{ c}$$

$$10\text{ c} = \underline{9}\text{ c} + \underline{1}\text{ c}$$

$$10\text{ c} = \underline{5}\text{ c} + \underline{5}\text{ c}$$

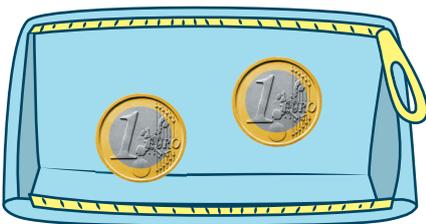
Mit Geld rechnen



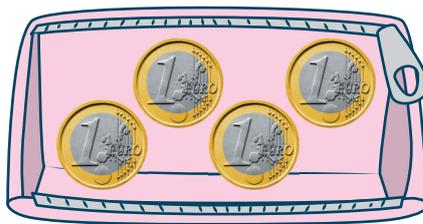
1 Wie viel Geld ist es? Lege die Beträge mit dem Rechengeld.



2 Wechselt mit dem Rechengeld um.



2

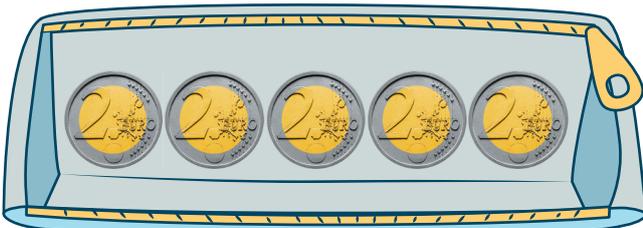


2

2



5



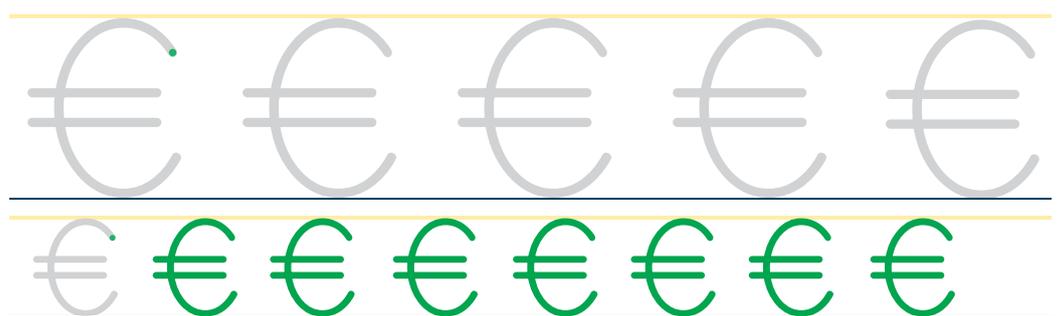
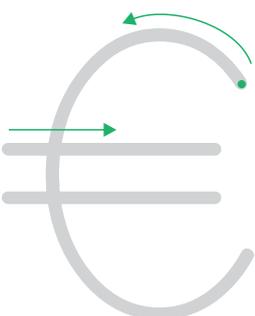
10



5

2

3



Mit Geld rechnen

1 Wer hat mehr Geld? Setze ein: > oder <



Ich habe mehr Geld.



Sara



Tarik



Ich weiß, warum du das denkst ...



9 c < 10 c

2 Geldbeträge legen und zeichnen



	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">2</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> </div> <div style="text-align: right; margin-top: 10px;">4 €</div>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">5</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> </div> <div style="text-align: right; margin-top: 10px;">6 €</div>
--	--	---

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">5</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">2</div> </div> <div style="text-align: right; margin-top: 10px;">7 €</div>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">5</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">2</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> </div> <div style="text-align: right; margin-top: 10px;">9 €</div>
---	---

3 Wie kannst du bezahlen?



<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">2</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> </div> <div style="text-align: right; margin-top: 10px;">3 c</div>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">5</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">1</div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 5px;">2</div> </div> <div style="text-align: right; margin-top: 10px;">8 €</div>
---	--

4 Was kannst du mit 1 € kaufen? Kreuze an.

Nenn weitere Beispiele.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Geld wechseln



1




1 1 1 1 1



2 1 1 1



2 2 1

Wechselt gegenseitig mit dem Rechengeld.



2




5 5



5 1 1 1 1 1



5 2 1 1 1



5 2 2 1



1 1 1 1 1 1 1 1 1 1



2 2 2 2 2



2 1 1 1 1 1 1 1 1



2 2 1 1 1 1 1 1



2 2 2 1 1 1 1

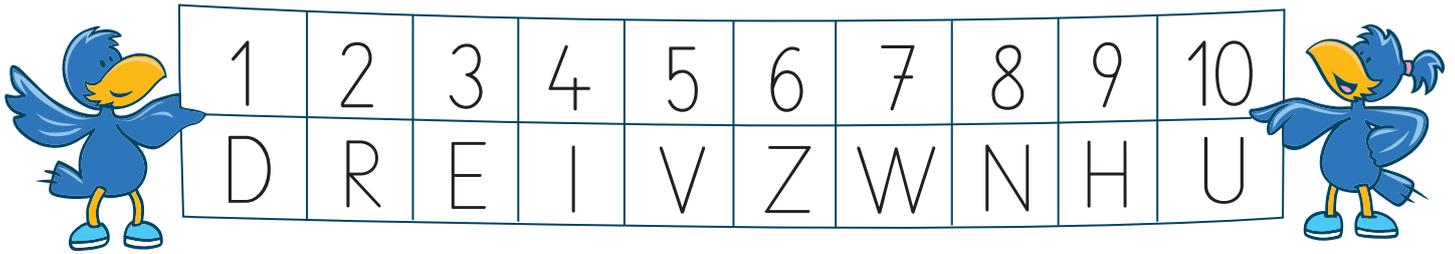


2 2 2 2 1 1

3 Wie kannst du wechseln?
Finde viele Möglichkeiten.



Wie viel kosten die Spielsachen?



1

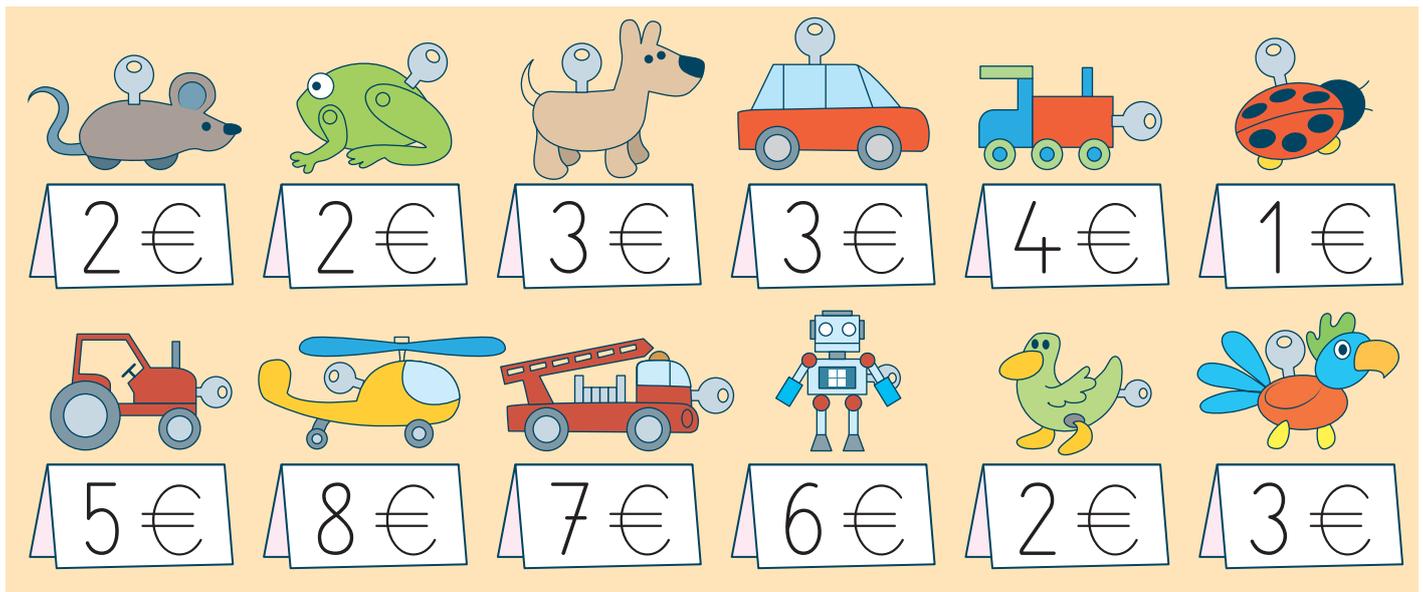
 <div style="border: 1px solid black; padding: 5px; display: inline-block;">10 €</div>	 <div style="border: 1px solid black; padding: 5px; display: inline-block;">9 €</div>	 <div style="border: 1px solid black; padding: 5px; display: inline-block;">4 €</div>
$2 + 4 = \underline{6}$ Z	$3 + 5 = \underline{8}$ N	$3 + 2 = \underline{5}$ V
$8 - 5 = \underline{3}$ E	$7 - 4 = \underline{3}$ E	$9 - 5 = \underline{4}$ I
$3 + 6 = \underline{9}$ H	$4 + 6 = \underline{10}$ U	$5 - 2 = \underline{3}$ E
$1 + 7 = \underline{8}$ N	$6 + 2 = \underline{8}$ N	$9 - 7 = \underline{2}$ R

2

 <div style="border: 1px solid black; padding: 5px; display: inline-block;">3 €</div>	 <div style="border: 1px solid black; padding: 5px; display: inline-block;">2 €</div>	 <div style="border: 1px solid black; padding: 5px; display: inline-block;">9 €</div>
$6 - 5 = \underline{1}$ D	$3 + 3 = \underline{6}$ Z	$9 - 1 = \underline{8}$ N
$2 + 0 = \underline{2}$ R	$5 + 2 = \underline{7}$ W	$1 + 2 = \underline{3}$ E
$6 - 3 = \underline{3}$ E	$9 - 6 = \underline{3}$ E	$5 + 5 = \underline{10}$ U
$2 + 2 = \underline{4}$ I	$8 - 4 = \underline{4}$ I	$4 + 4 = \underline{8}$ N

3

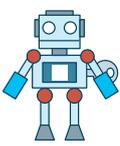
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">3</div> + <div style="border: 1px solid black; padding: 5px; display: inline-block;">3</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">4</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">0</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">1</div>	$3 + 3 = 6$ $3 + 4 = 7$ $3 + 0 = 3$ $3 + 1 = 4$	<div style="border: 1px solid black; padding: 5px; display: inline-block;">10</div> - <div style="border: 1px solid black; padding: 5px; display: inline-block;">4</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">7</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">1</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">2</div>	$10 - 4 = 6$ $10 - 7 = 3$ $10 - 1 = 9$ $10 - 2 = 8$
 <div style="border: 1px solid black; padding: 5px; display: inline-block;">2 €</div>	 <div style="border: 1px solid black; padding: 5px; display: inline-block;">10 €</div>			



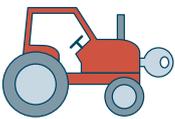
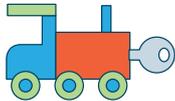
1

		$2\text{ €} + 1\text{ €} = 3\text{ €}$
		$2\text{ €} + 3\text{ €} = 5\text{ €}$

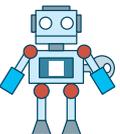
2

		$6\text{ €} + 3\text{ €} = 9\text{ €}$
		$8\text{ €} + 2\text{ €} = 10\text{ €}$

3

		$5\text{ €} + 4\text{ €} = 9\text{ €}$
		$3\text{ €} + 7\text{ €} = 10\text{ €}$

4

		$6\text{ €} + 4\text{ €} = 10\text{ €}$
		$7\text{ €} + 2\text{ €} = 9\text{ €}$

Wie viel bleibt übrig?



1



$$4 \text{ €} - 3 \text{ €} = \underline{1} \text{ €}$$



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

2

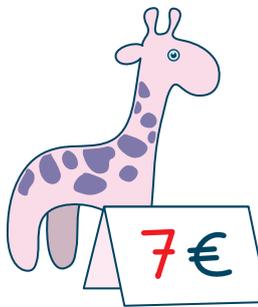


$$10 \text{ €} - 8 \text{ €} = \underline{2} \text{ €}$$



$$9 \text{ €} - 9 \text{ €} = \underline{0} \text{ €}$$

3

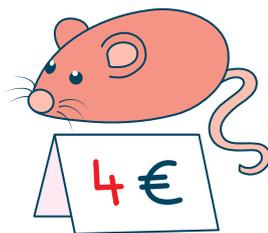


$$9 \text{ €} - 7 \text{ €} = \underline{2} \text{ €}$$

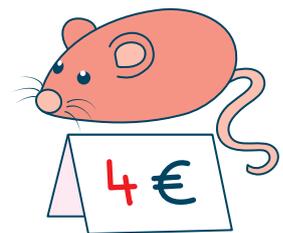


$$6 \text{ €} - 6 \text{ €} = \underline{0} \text{ €}$$

4



$$5 \text{ €} - 4 \text{ €} = \underline{1} \text{ €}$$



$$10 \text{ €} - 4 \text{ €} = \underline{6} \text{ €}$$

Rechengeschichten



Erzähle zu jedem Bild eine Rechengeschichte.

Lege die Beträge mit dem Rechengeld.

1

Es fehlen noch ...

$$6 \text{ €} + \underline{2} \text{ €} = 8 \text{ €}$$

2

$4 \text{ €} + \underline{3} \text{ €} = 7 \text{ €}$

$7 \text{ €} + \underline{2} \text{ €} = \underline{9} \text{ €}$

3

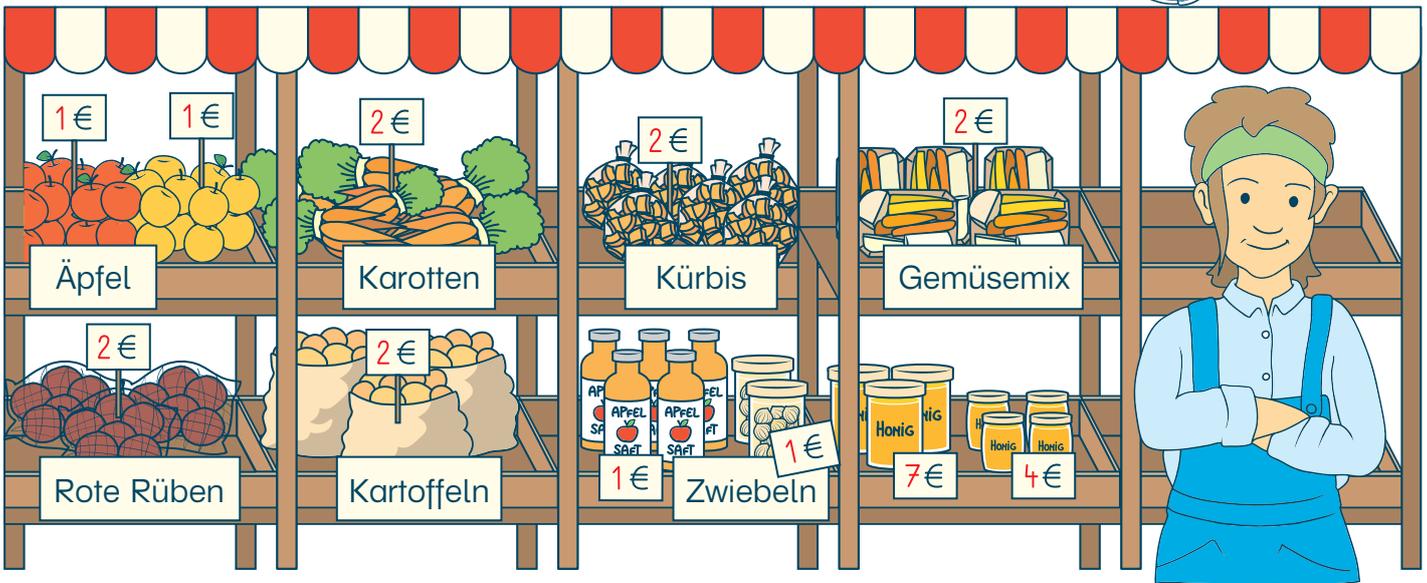
$\underline{3} \text{ €} + \underline{2} \text{ €} = \underline{5} \text{ €}$

$\underline{5} \text{ €} + \underline{3} \text{ €} = \underline{8} \text{ €}$

4

$\underline{4} \text{ €} + \underline{6} \text{ €} = \underline{10} \text{ €}$

$\underline{2} \text{ €} + \underline{4} \text{ €} = \underline{6} \text{ €}$



1

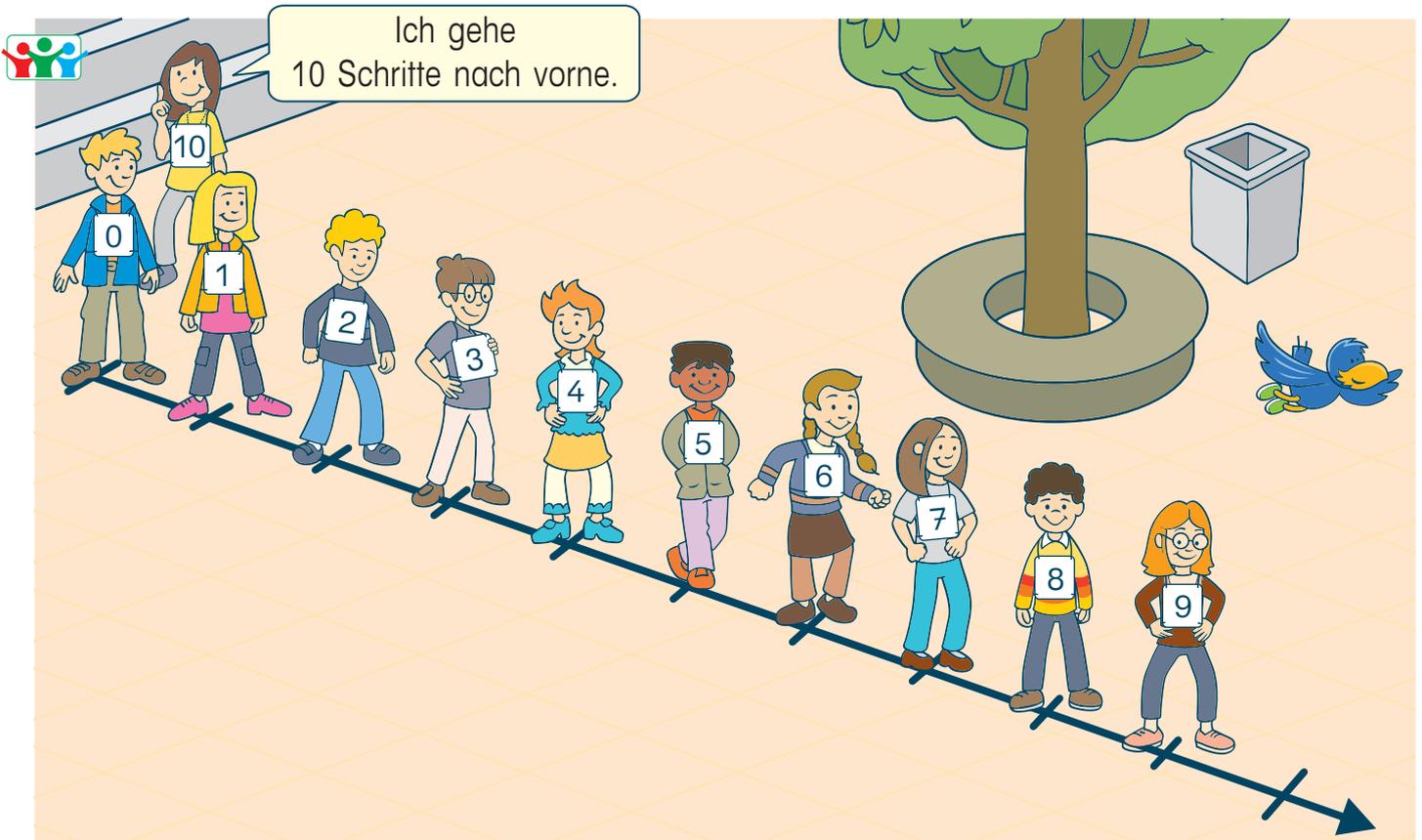
$2\text{€} + 7\text{€} = \underline{9}\text{€}$

$2\text{€} + 1\text{€} = \underline{3}\text{€}$

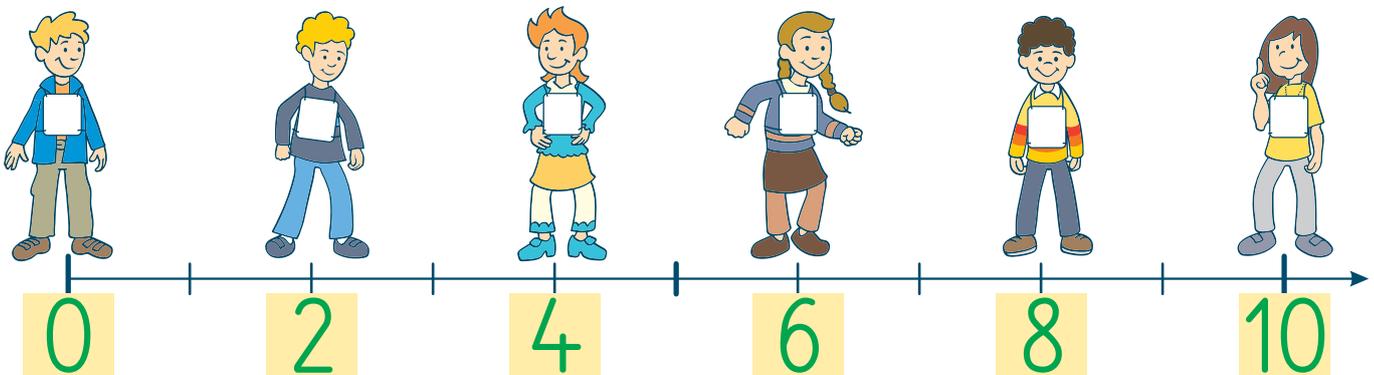
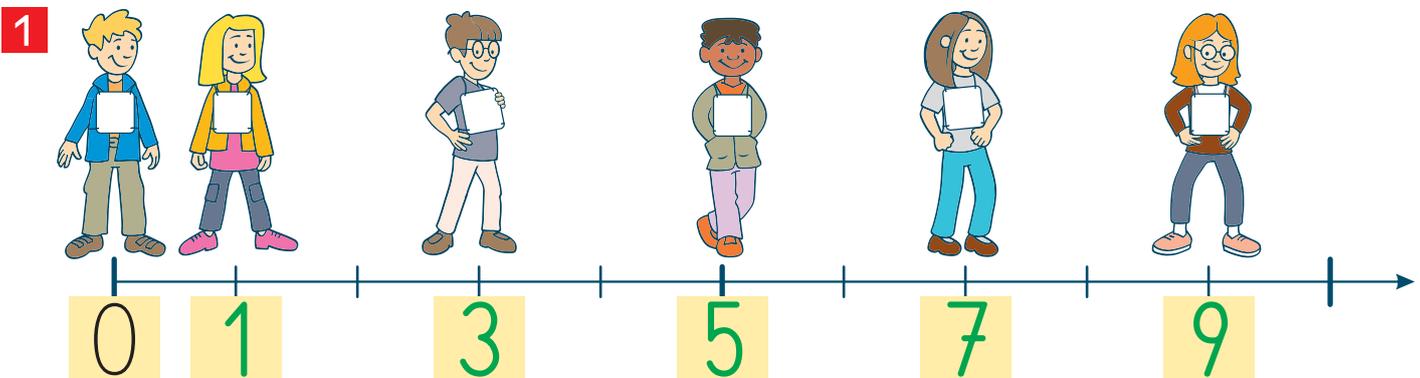
2

gekauft	Preis	gegeben	zurück
	$\underline{3}\text{€}$		(1) (1) $\underline{2}\text{€}$
	$\underline{7}\text{€}$		(2) (1) $\underline{3}\text{€}$
	$\underline{6}\text{€}$		(2) (2) $\underline{4}\text{€}$
	$\underline{9}\text{€}$		(1) $\underline{1}\text{€}$
	$\underline{8}\text{€}$		(2) $\underline{2}\text{€}$
	$\underline{5}\text{€}$		[5] $\underline{5}\text{€}$

Der Zahlenstrahl



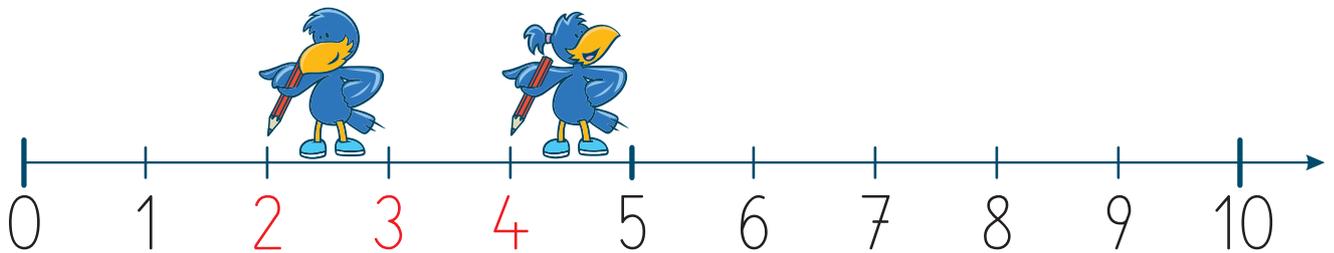
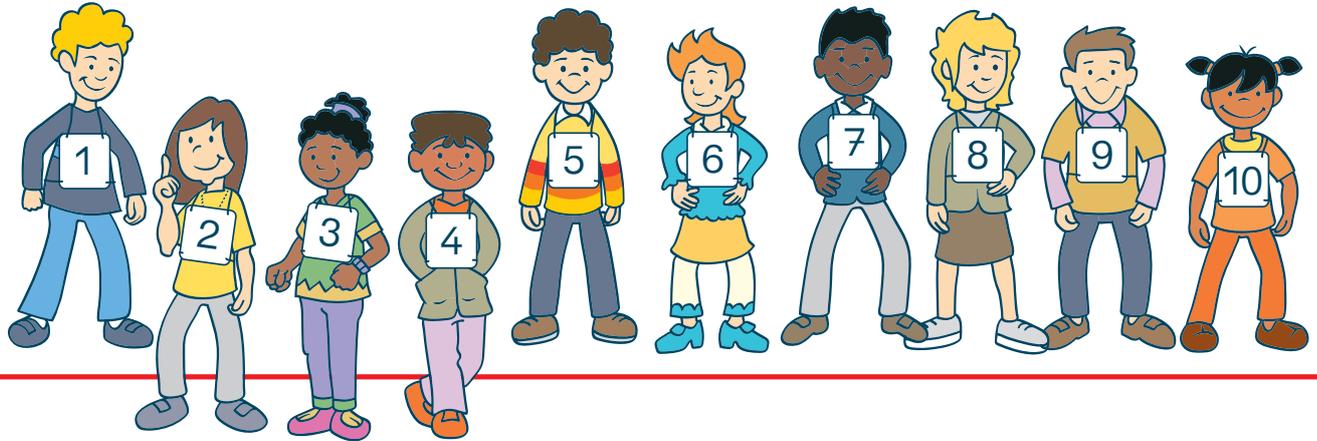
Trage die Zahlen ein.



Der Zahlenstrahl



Die Zahlen von 2 bis 4



Die Zahlen von 2 bis 4: 2, 3, 4

2 Trage die Zahlen von 3 bis 10 ein.



3 Die Zahlen von 6 bis 10: 6, 7, 8, 9, 10

Die Zahlen von 8 bis 10: 8, 9, 10

Die Zahlen von 2 bis 7: 2, 3, 4, 5, 6, 7

Die Zahlen von 4 bis 8: 4, 5, 6, 7, 8

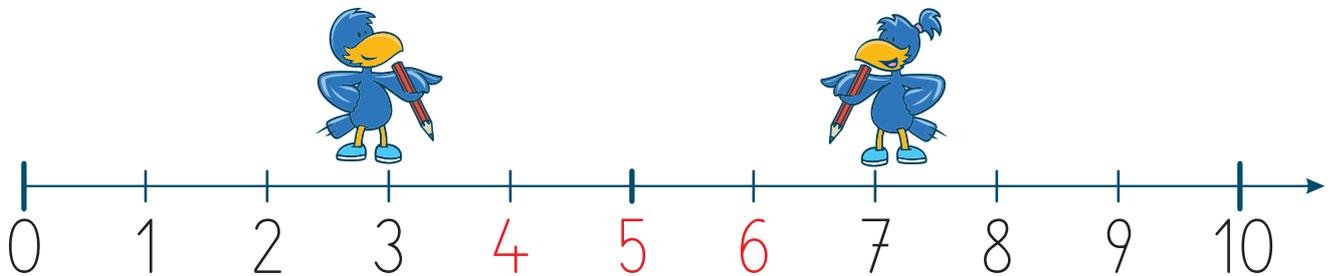
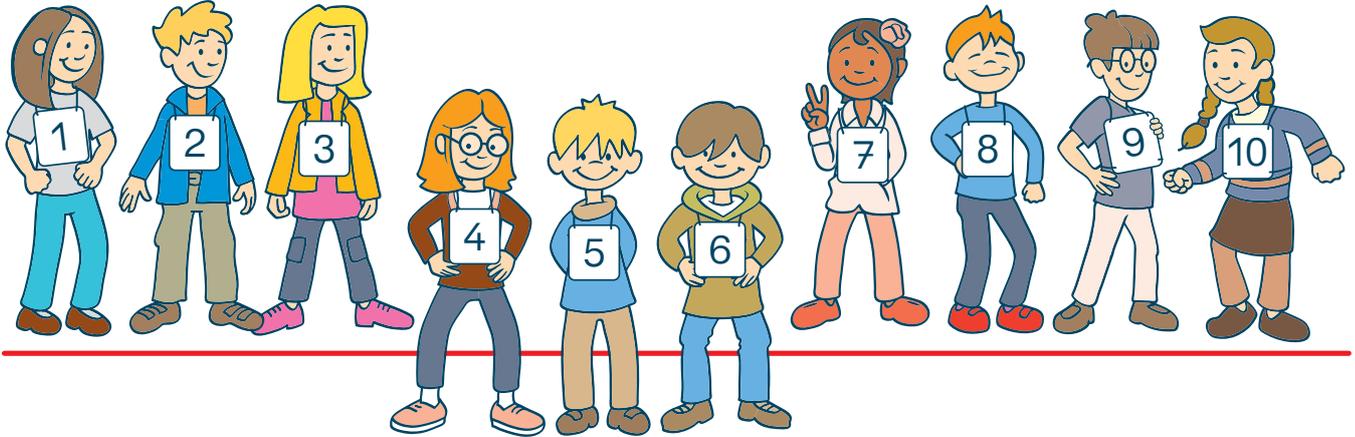
Die Zahlen von ___ bis ___: _____

Die Zahlen von ___ bis ___: _____

Der Zahlenstrahl



Die Zahlen zwischen 3 und 7



Die Zahlen zwischen 3 und 7: 4,

2 Trage die Zahlen zwischen 3 und 10 ein.



3 Die Zahlen zwischen 6 und 10: 7, 8, 9

Die Zahlen zwischen 4 und 7: 5, 6

Die Zahlen zwischen 2 und 7: 3, 4, 5, 6

Die Zahlen zwischen 3 und 8: 4, 5, 6, 7

Die Zahlen zwischen ___ und ___: _____

Die Zahlen zwischen ___ und ___: _____

Plusaufgaben auf dem Zahlenstrahl

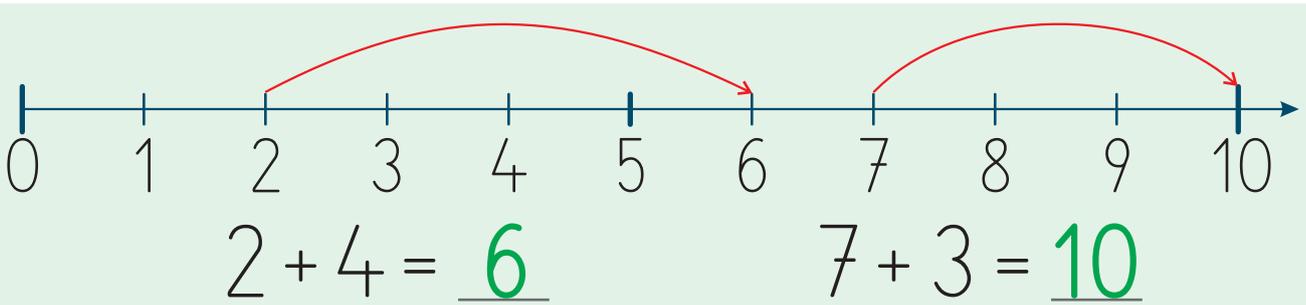
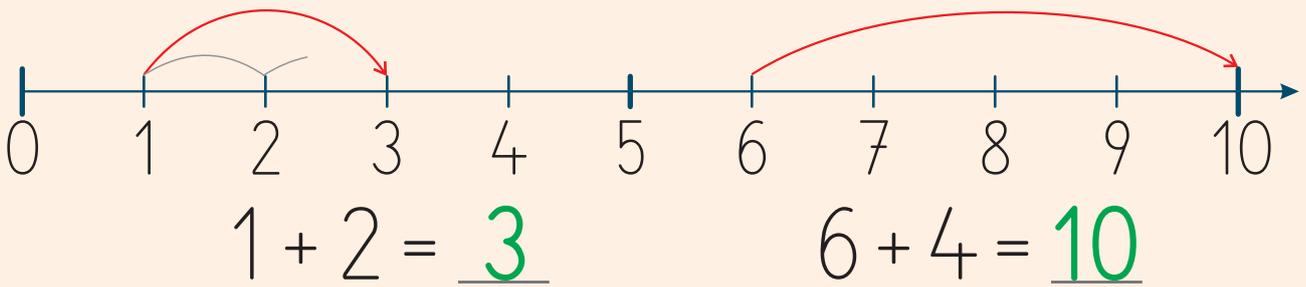
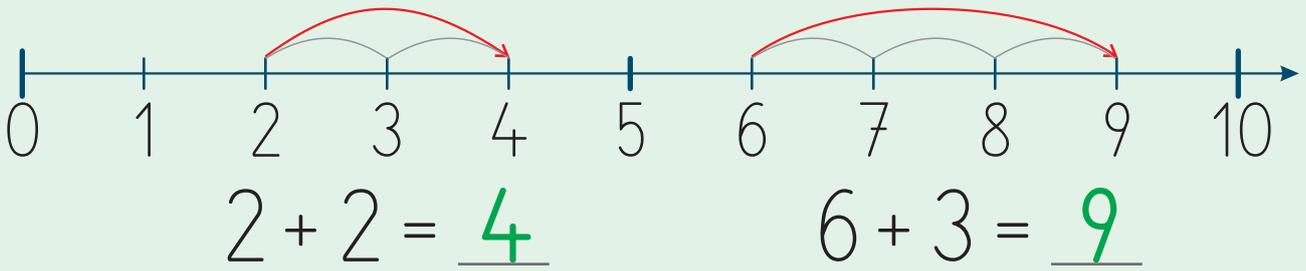
1



2 Schritte vor



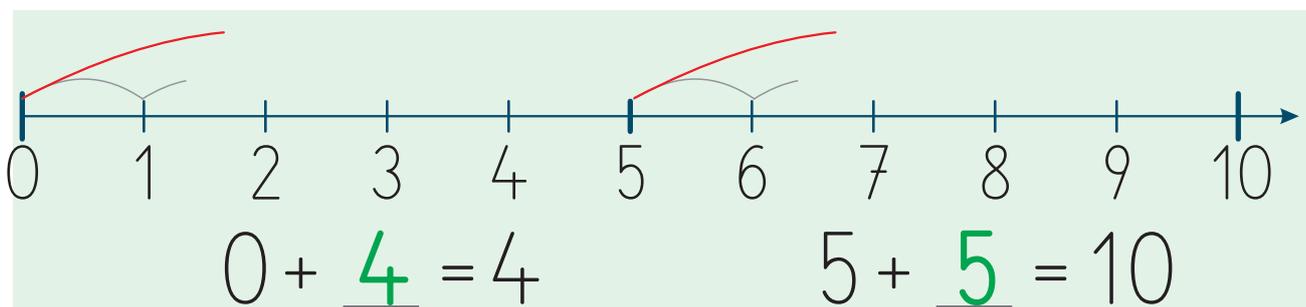
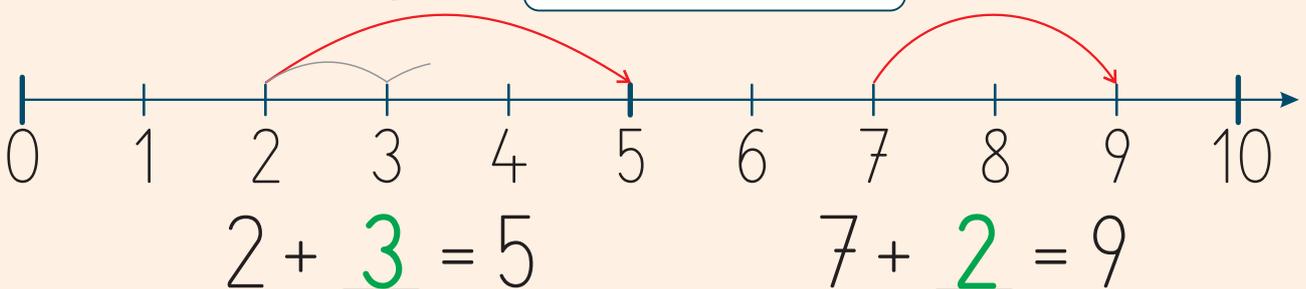
3 Schritte vor



2



Wie viele Schritte vor?



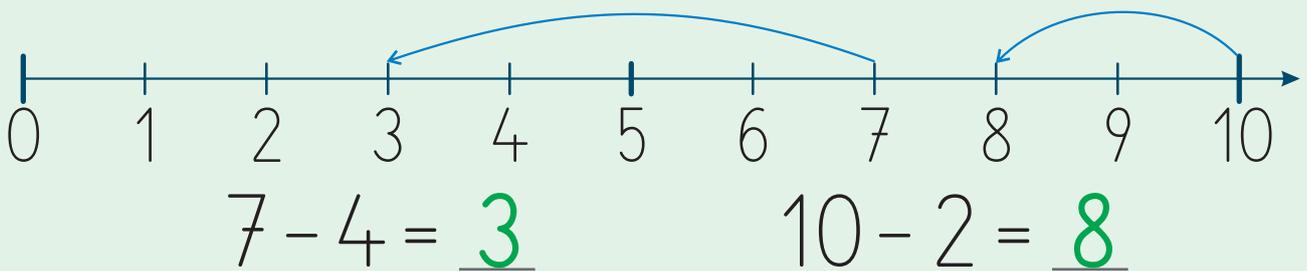
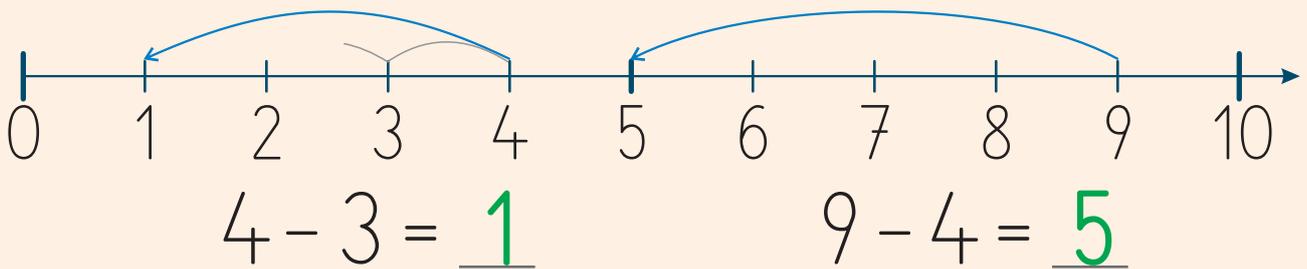
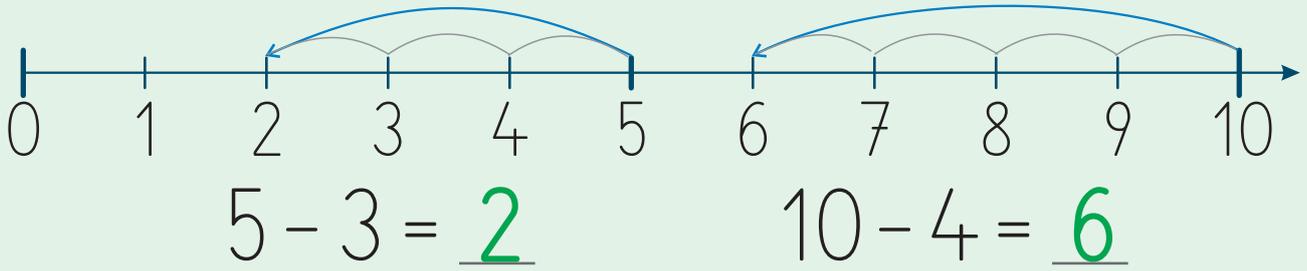
Minusaufgaben auf dem Zahlenstrahl

1

3 Schritte zurück

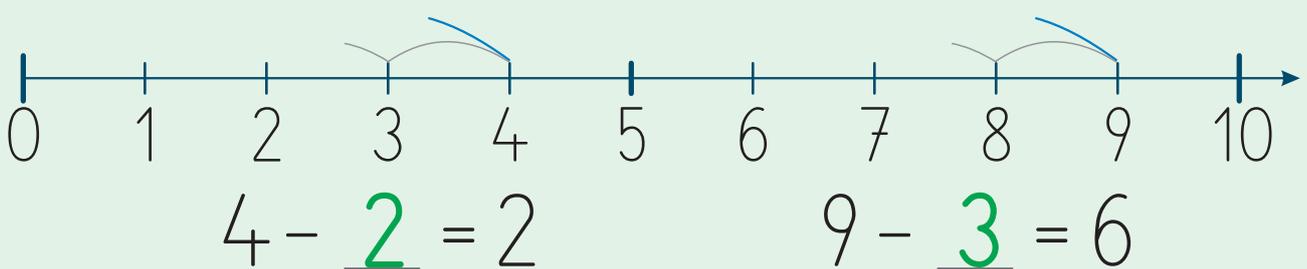
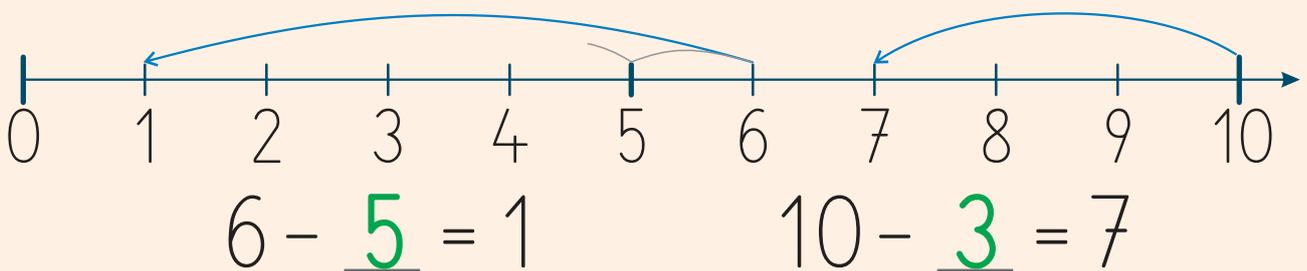


4 Schritte zurück



2

Wie viele Schritte zurück?



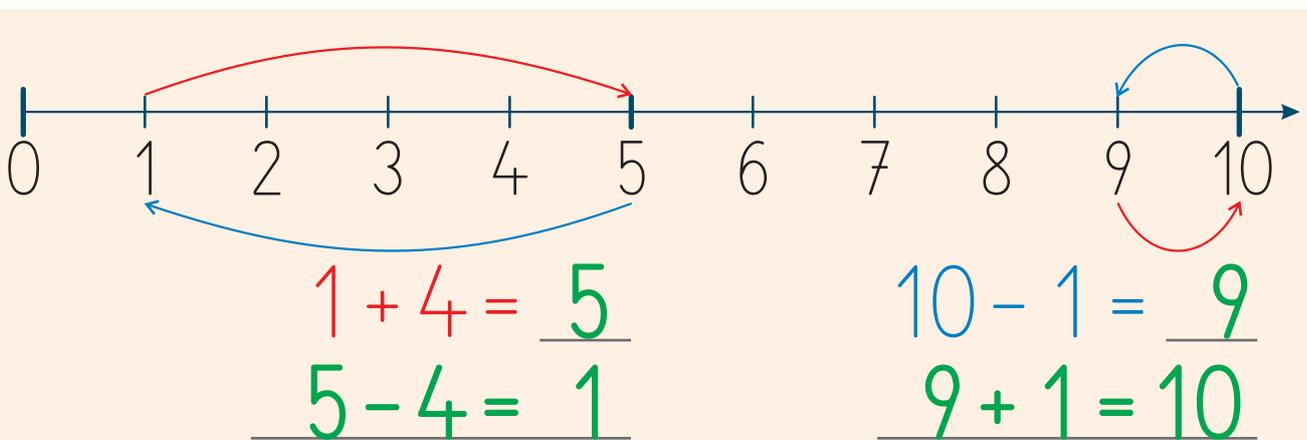
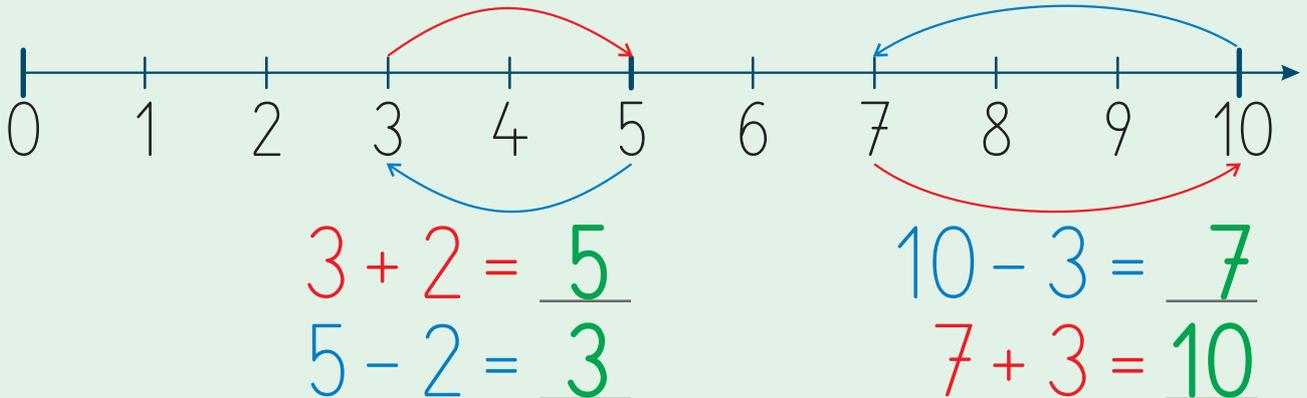
Aufgabe und Umkehraufgabe

1

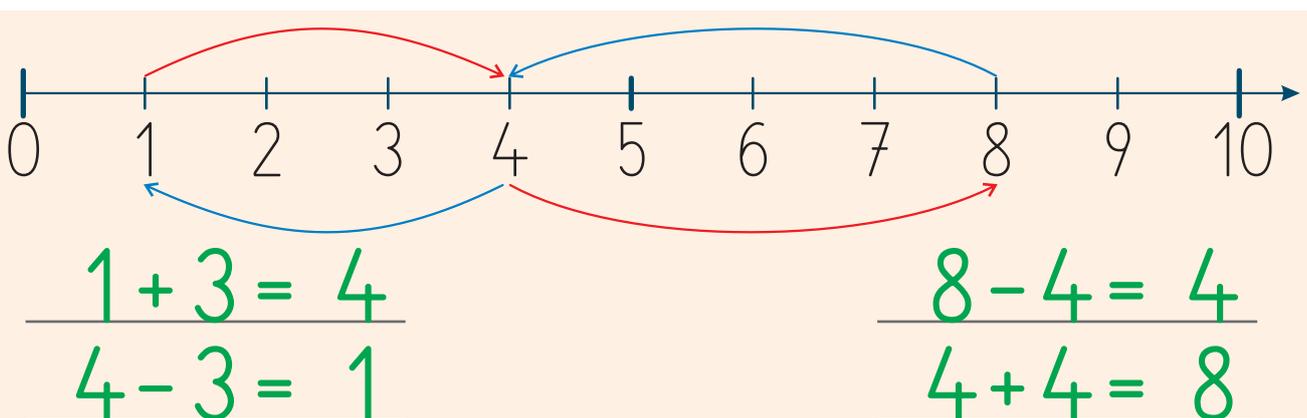
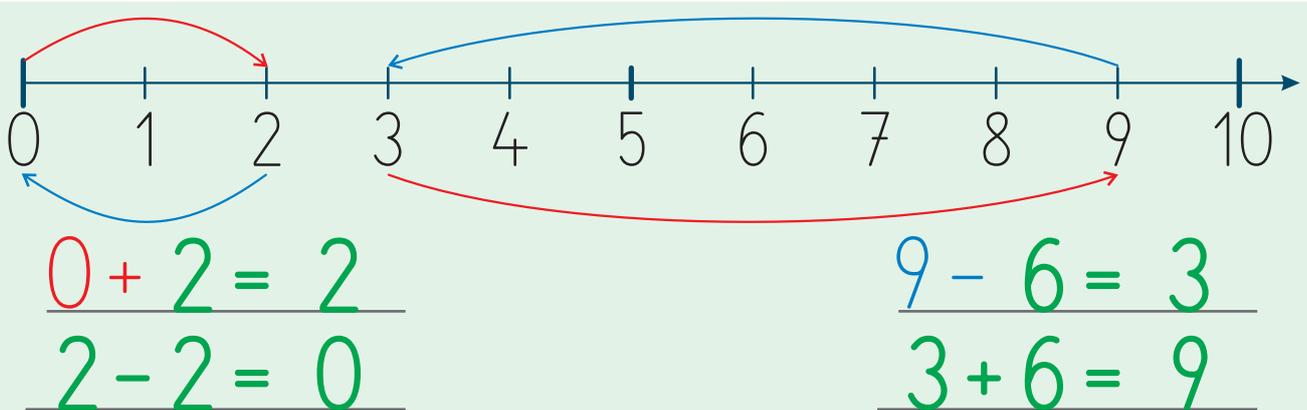


2 Schritte vor,
2 Schritte zurück

3 Schritte zurück,
3 Schritte vor



2





1



$$5 + 2 = 7$$

$$7 - 2 = 5$$



$$8 - 2 = 6$$

$$6 + 2 = 8$$

2



$$6 + 3 = 9$$

$$9 - 3 = 6$$



$$10 - 1 = 9$$

$$9 + 1 = 10$$



3 An welche Zahlen denken die Kinder?

Wenn ich zu meiner Zahl 5 dazuzähle, erhalte ich 8!



3

Ich zähle von meiner Zahl 4 weg und erhalte 3!



7

Ich zähle zu meiner Zahl 4 dazu. Ich erhalte 10!



6

4  Schreibe selbst Aufgaben und Umkehraufgaben auf.

Besondere Aufgaben

1

9 -1 8

Vorher ...

$$\underline{9} \begin{array}{c} -1 \\ \leftarrow \\ +1 \\ \rightarrow \end{array} 8$$

Mit der Umkehraufgabe ist es einfach.

2

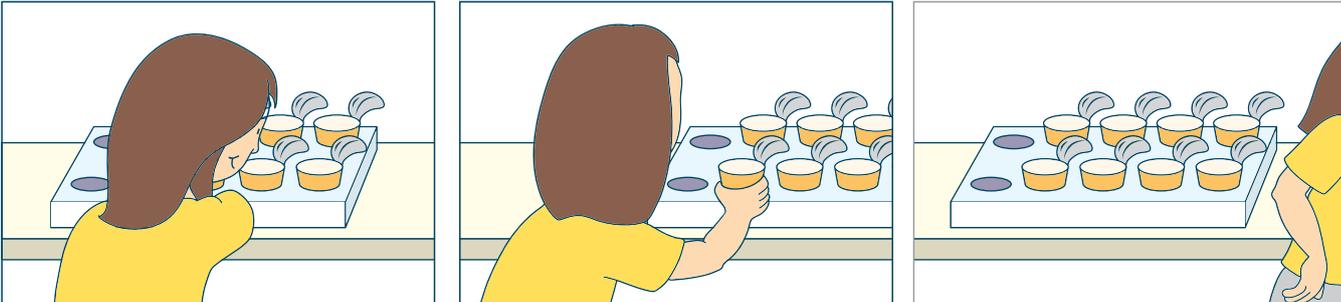
	<u>6</u> $-1 \rightarrow$ 5	
	<u>5</u> $-2 \rightarrow$ 3	
	<u>7</u> $-3 \rightarrow$ 4	

3

<u>7</u> $\begin{array}{c} -1 \\ \leftarrow \\ +1 \\ \rightarrow \end{array}$ 6	<u>6</u> $\begin{array}{c} -2 \\ \leftarrow \\ +2 \\ \rightarrow \end{array}$ 4	<u>8</u> $\begin{array}{c} -3 \\ \leftarrow \\ +3 \\ \rightarrow \end{array}$ 5
<u>7</u> $\begin{array}{c} -5 \\ \leftarrow \\ +5 \\ \rightarrow \end{array}$ 2	<u>7</u> $\begin{array}{c} -4 \\ \leftarrow \\ +4 \\ \rightarrow \end{array}$ 3	<u>9</u> $\begin{array}{c} -2 \\ \leftarrow \\ +2 \\ \rightarrow \end{array}$ 7
<u>10</u> $\begin{array}{c} -6 \\ \leftarrow \\ +6 \\ \rightarrow \end{array}$ 4	<u>8</u> $\begin{array}{c} -7 \\ \leftarrow \\ +7 \\ \rightarrow \end{array}$ 1	<u>9</u> $\begin{array}{c} -3 \\ \leftarrow \\ +3 \\ \rightarrow \end{array}$ 6
<u> </u> $\begin{array}{c} -5 \\ \leftarrow \\ +5 \\ \rightarrow \end{array}$ <u> </u>	<u> </u> $\begin{array}{c} -4 \\ \leftarrow \\ +4 \\ \rightarrow \end{array}$ <u> </u>	<u> </u> $\begin{array}{c} -3 \\ \leftarrow \\ +3 \\ \rightarrow \end{array}$ <u> </u>

Besondere Aufgaben

1



7 $+1$ 8

Vorher ...

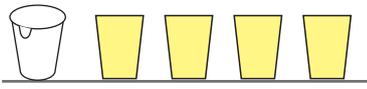
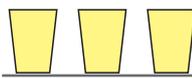


$$\underline{7} \begin{array}{c} +1 \\ \leftarrow \\ -1 \end{array} 8$$

Die Umkehraufgabe macht es einfach.



2

 <hr/>  <hr/> 	$\underline{6} \begin{array}{c} +2 \\ \rightarrow \end{array} 8$ $\underline{5} \begin{array}{c} +2 \\ \rightarrow \end{array} 7$ $\underline{3} \begin{array}{c} +3 \\ \rightarrow \end{array} 6$	 <hr/>  <hr/> 
--	--	--

3

$\underline{5} \begin{array}{c} +1 \\ \rightarrow \\ -1 \end{array} 6$	$\underline{3} \begin{array}{c} +2 \\ \rightarrow \\ -2 \end{array} 5$	$\underline{4} \begin{array}{c} +3 \\ \rightarrow \\ -3 \end{array} 7$
$\underline{4} \begin{array}{c} +5 \\ \rightarrow \\ -5 \end{array} 9$	$\underline{4} \begin{array}{c} +4 \\ \rightarrow \\ -4 \end{array} 8$	$\underline{4} \begin{array}{c} +2 \\ \rightarrow \\ -2 \end{array} 6$
$\underline{3} \begin{array}{c} +6 \\ \rightarrow \\ -6 \end{array} 9$	$\underline{1} \begin{array}{c} +7 \\ \rightarrow \\ -7 \end{array} 8$	$\underline{1} \begin{array}{c} +3 \\ \rightarrow \\ -3 \end{array} 4$
$\underline{\quad} \begin{array}{c} + \\ \rightarrow \\ - \end{array} 7$	$\underline{\quad} \begin{array}{c} + \\ \rightarrow \\ - \end{array} 6$	$\underline{\quad} \begin{array}{c} + \\ \rightarrow \\ - \end{array} 5$



1



$3 + 2$ und $3 + 4$ sind Nachbaraufgaben von $3 + 3$.



+	2	3	4
3	$3 + 2 = 5$	$3 + 3 = 6$	$3 + 4 = 7$

+	5	6	7
2	$2 + 5 = 7$	$2 + 6 = 8$	$2 + 7 = 9$

+	3	4	5
4	$4 + 3 = 7$	$4 + 4 = 8$	$4 + 5 = 9$

2



$4 - 2$ und $4 - 4$ sind Nachbaraufgaben von $4 - 3$.



-	2	3	4
4	$4 - 2 = 2$	$4 - 3 = 1$	$4 - 4 = 0$

-	5	6	7
9	$9 - 5 = 4$	$9 - 6 = 3$	$9 - 7 = 2$

-	7	8	9
10	$10 - 7 = 3$	$10 - 8 = 2$	$10 - 9 = 1$



1



$3 + 5$ und $3 + 7$ sind Nachbaraufgaben von $3 + 6$.



+	5	6	7
3	$3 + 5 = 8$	$3 + 6 = 9$	$3 + 7 = 10$

+	4	5	6
4	$4 + 4 = 8$	$4 + 5 = 9$	$4 + 6 = 10$

+	6	7	8
2	$2 + 6 = 8$	$2 + 7 = 9$	$2 + 8 = 10$

2



$8 - 5$ und $8 - 7$ sind Nachbaraufgaben von $8 - 6$.



-	5	6	7
8	$8 - 5 = 3$	$8 - 6 = 2$	$8 - 7 = 1$

-	3	4	5
9	$9 - 3 = 6$	$9 - 4 = 5$	$9 - 5 = 4$

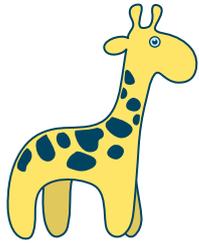
-	1	2	3
7	$7 - 1 = 6$	$7 - 2 = 5$	$7 - 3 = 4$

Das kann ich schon

1 a) Du hast         



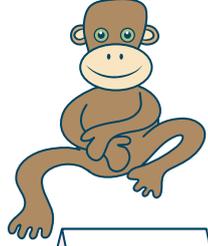
Wie bezahlst du? Zeichne.



6 €

1

5



9 €

2 2

5

b)



7 €



Zurück: **3 €**

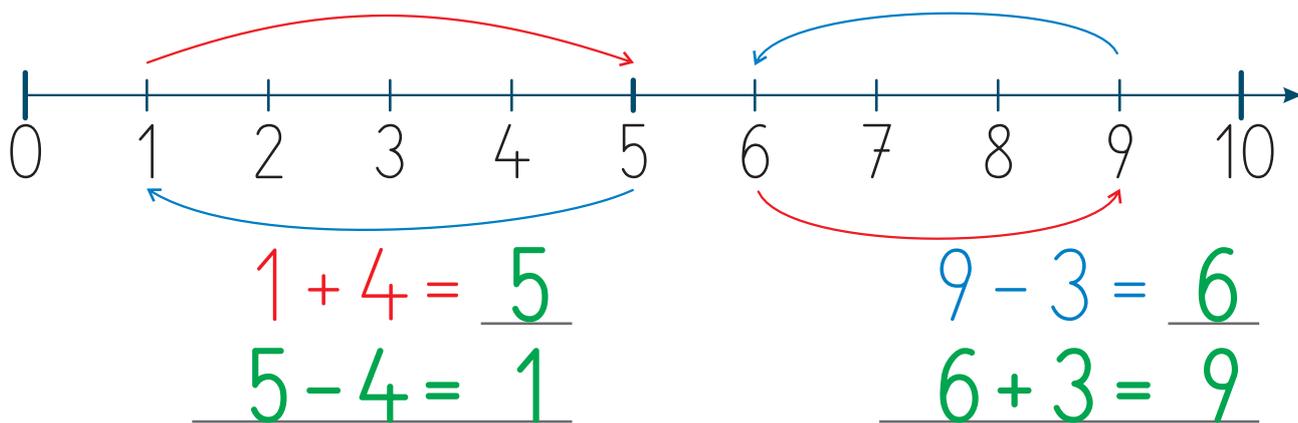


5 €



Zurück: **5 €**

2 Aufgabe und Umkehraufgabe: Zeichne auf dem Zahlenstrahl.



3 Wenn ich zu meiner Zahl 7 dazuzähle, erhalte ich 9!



2

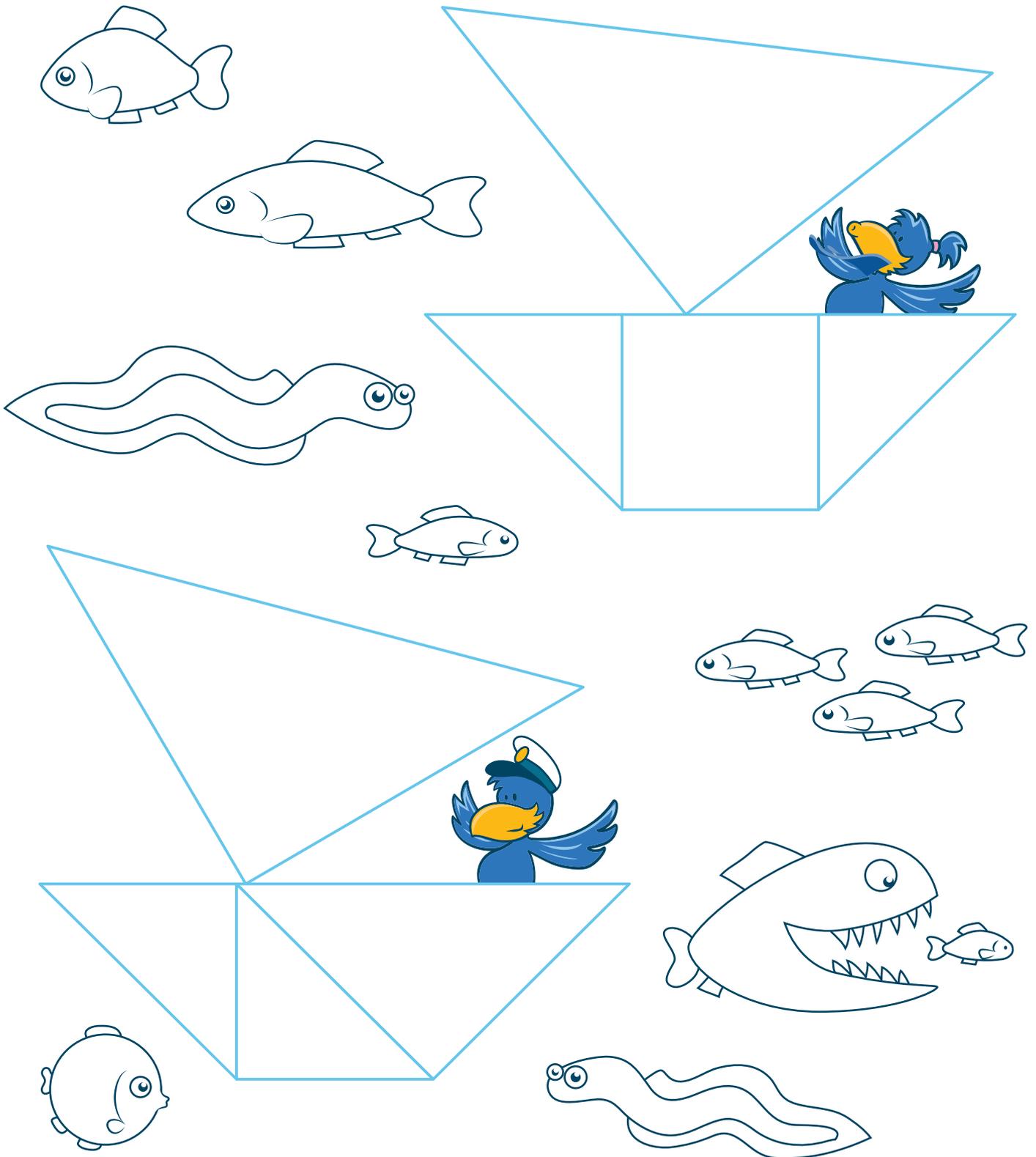
Wenn ich von meiner Zahl 2 wegzähle, erhalte ich 2 plus 2!



6

Ebene Figuren

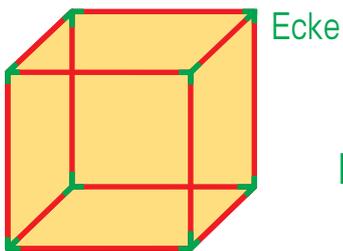
- 1** Ziehe die Linien nach.
- 2** Lege mit den acht Formenplättchen beide Schiffe aus.
- 3** Nimm vier Farben: Male jeden Fisch anders an.





Welche Körper sind rund? Welche Körper sind eckig?
Wo findest du runde und eckige Körper im Klassenzimmer?

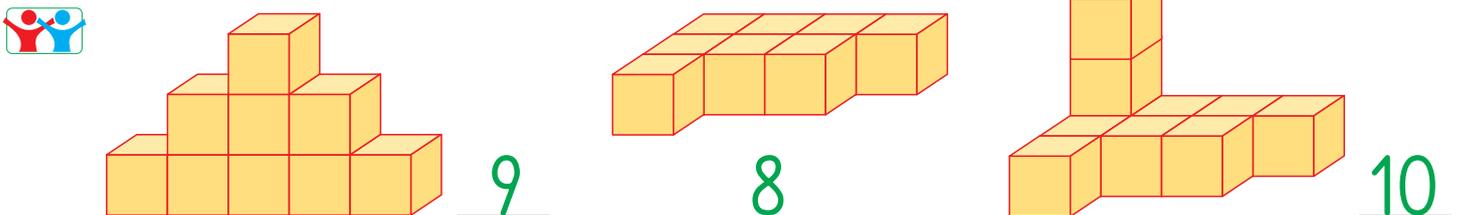
2 Untersuche einen Würfel und eine Kugel.



Der Würfel hat 8 Ecken.



3 a) Baue nach. Wie viele Würfel brauchst du?



b) Baue Figuren mit 10 Würfeln, mit 15 Würfeln, mit 20 Würfeln.

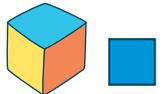
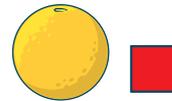
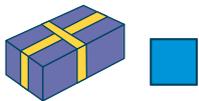
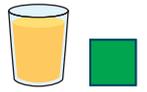
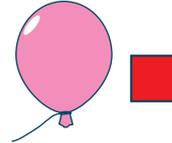
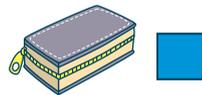
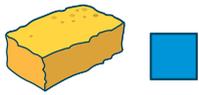
Körper

1 Male die Kästchen an:

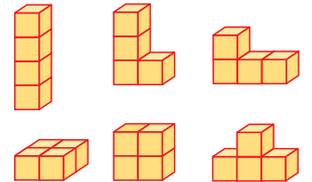
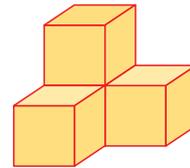
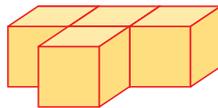
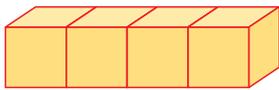
 Diese Dinge kann man **rollen**.

 Diese Dinge kann man **kippen oder stapeln**.

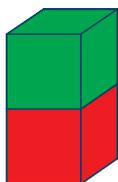
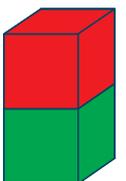
 Diese Dinge kann man **rollen oder stapeln**.



2 Figuren mit 4 Würfeln: Welche Figuren kannst du noch bauen?



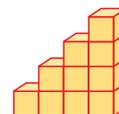
3 Bilde mit drei Farben unterschiedliche Zweiertürme.



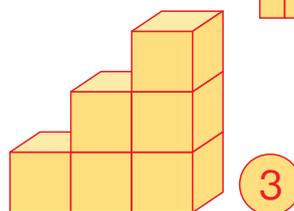
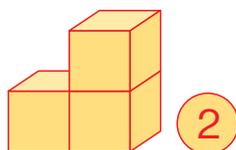
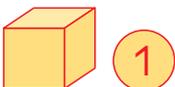
4 Wie geht es weiter? Wie viele Würfel

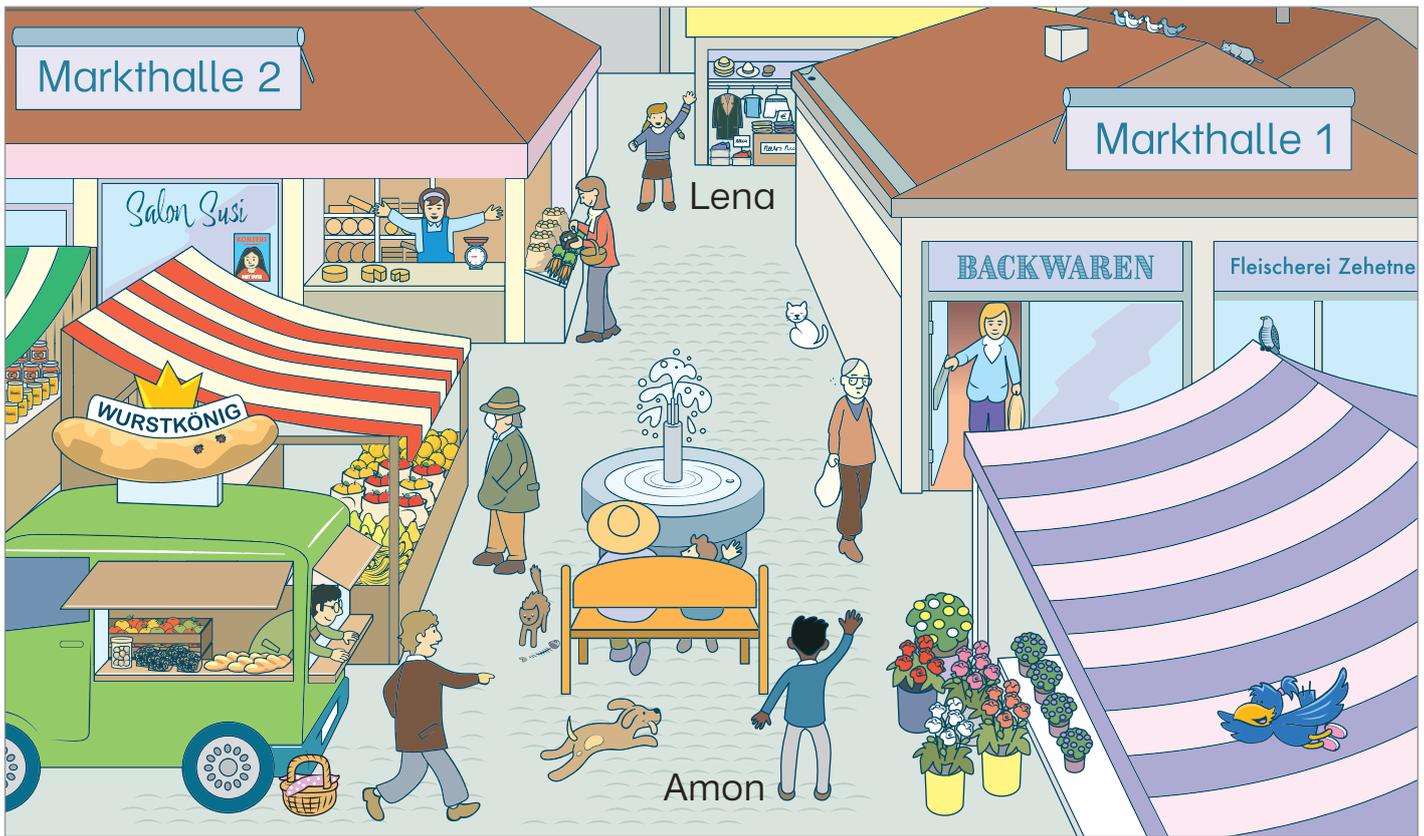


brauchst du für den 4. Würfelbau?



4 10 Würfel





1 Was siehst du **links** vom Brunnen, was **rechts** vom Brunnen?











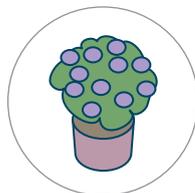


2 Was ist von Amon aus gesehen **links**, was **rechts**?

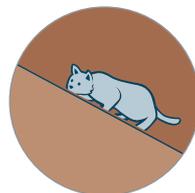










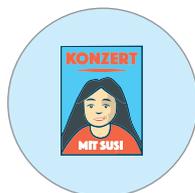


3 Was ist von Lena aus gesehen **links**, was **rechts**?

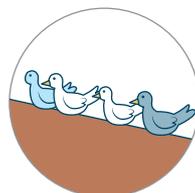






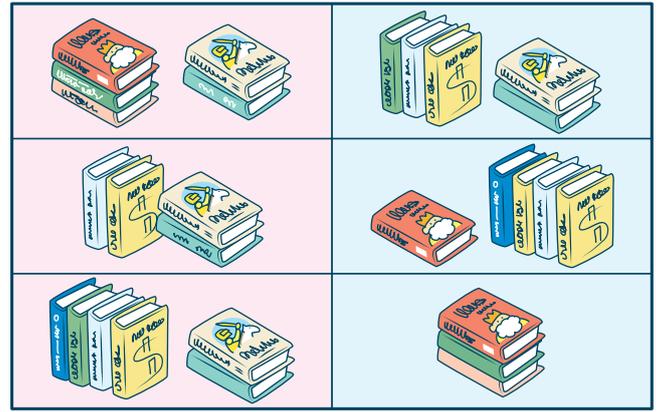
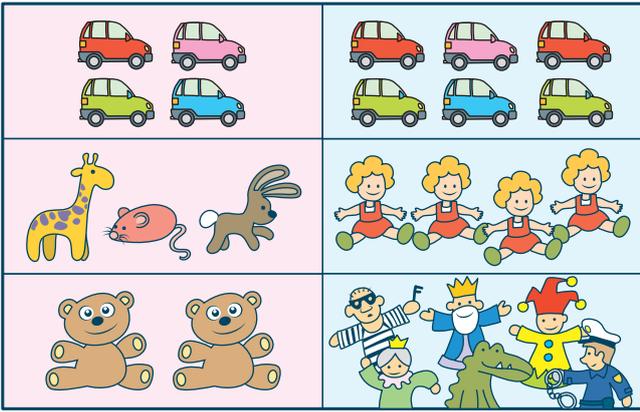








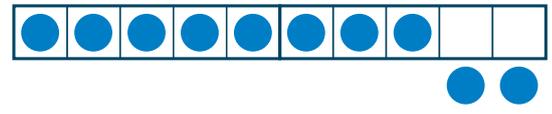
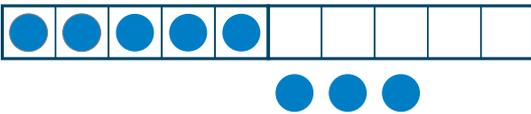
1



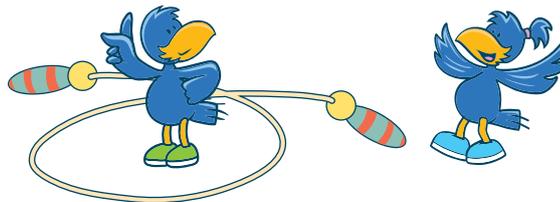
	links	rechts	
oben	4	6	10
in der Mitte	3	4	7
unten	2	6	8

	links	rechts	
oben	5	5	10
in der Mitte	4	5	9
unten	6	3	9

2



innerhalb	5
außerhalb	3
	8



innerhalb	8
außerhalb	2
	10

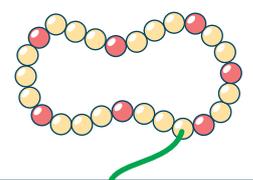
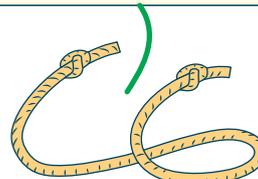
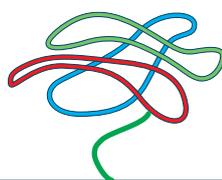
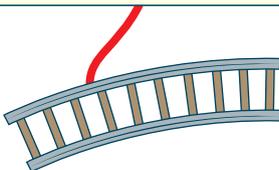
3

offen

offen

offen

offen



geschlossen

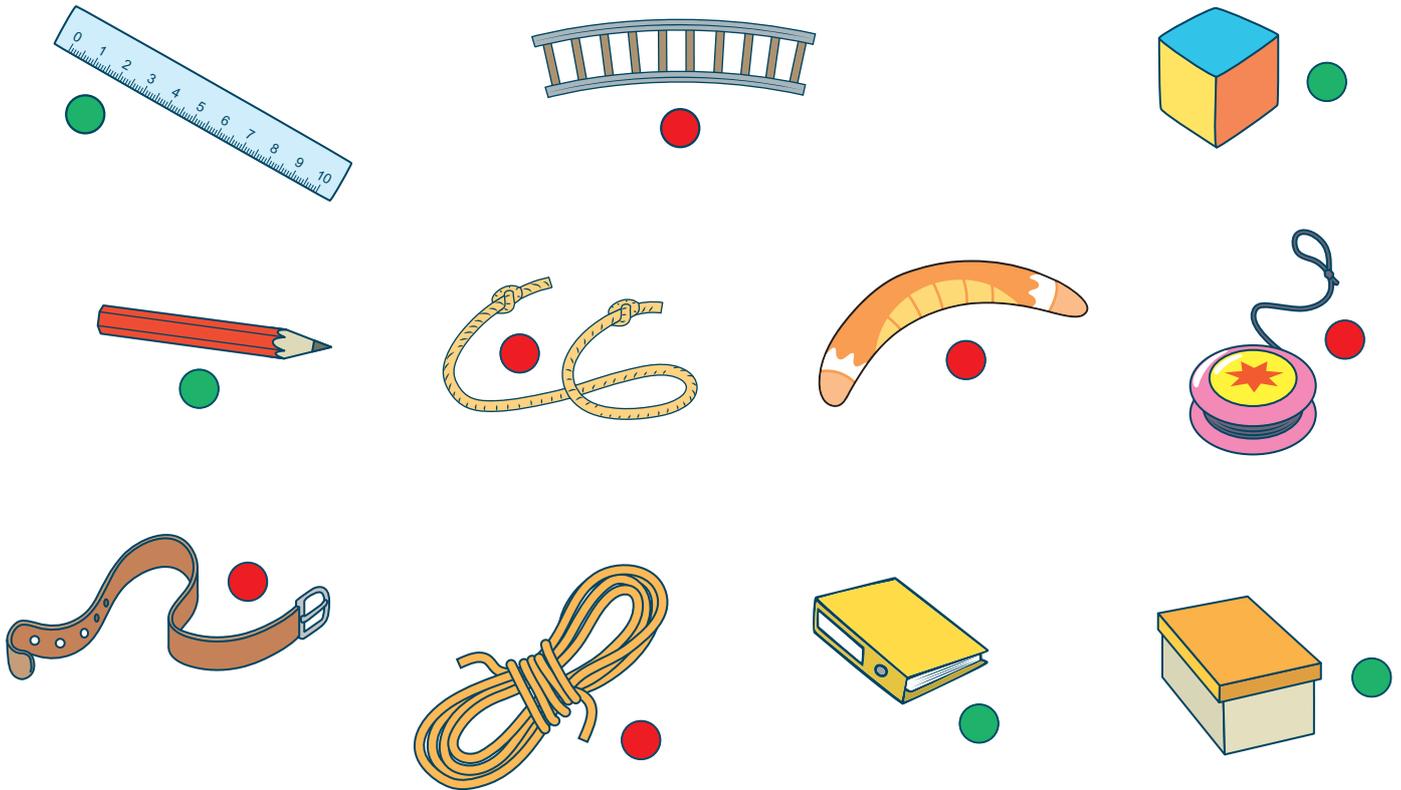
geschlossen

geschlossen

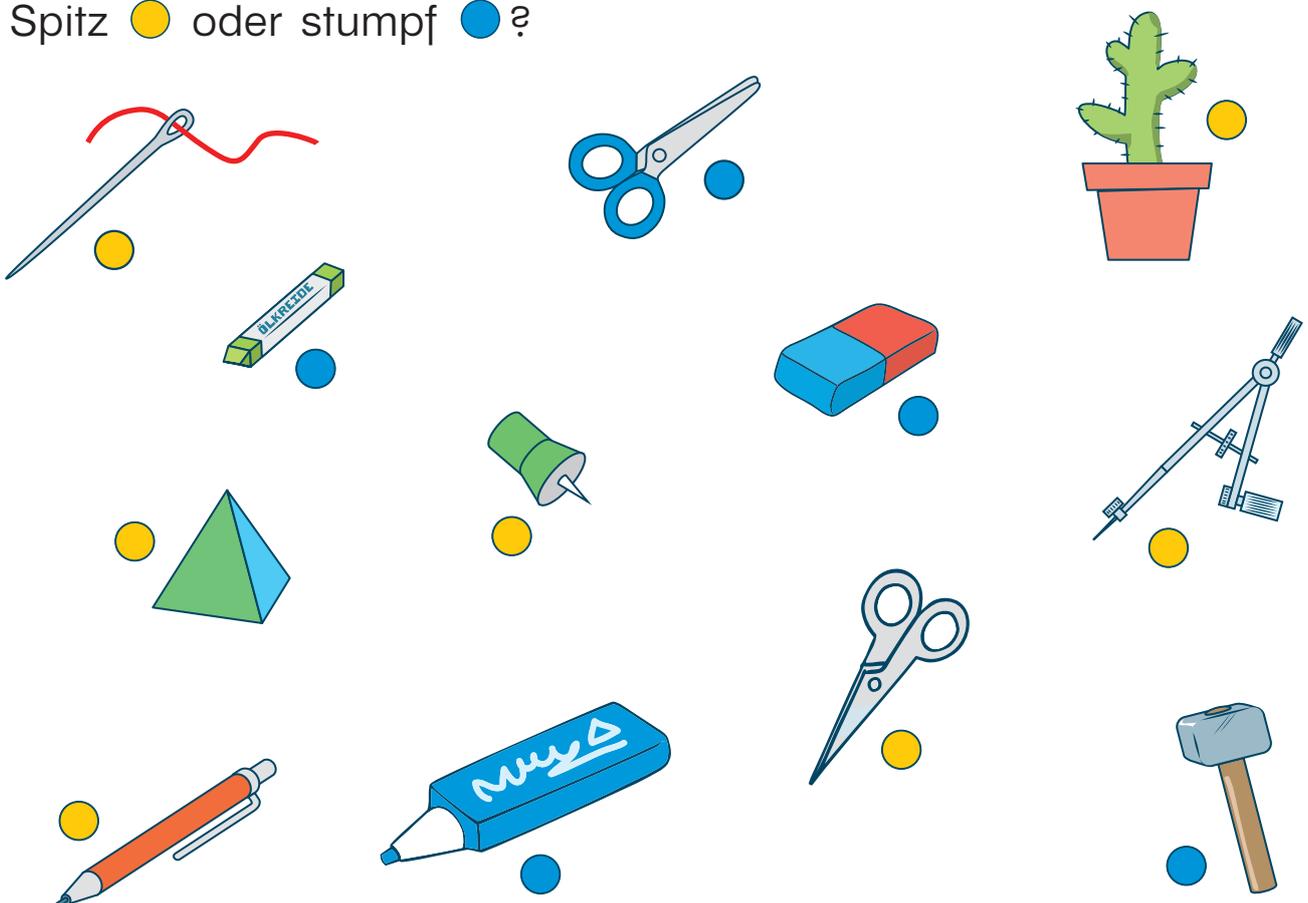
geschlossen

Eigenschaften

1 Gerade ● oder krumm ● ?

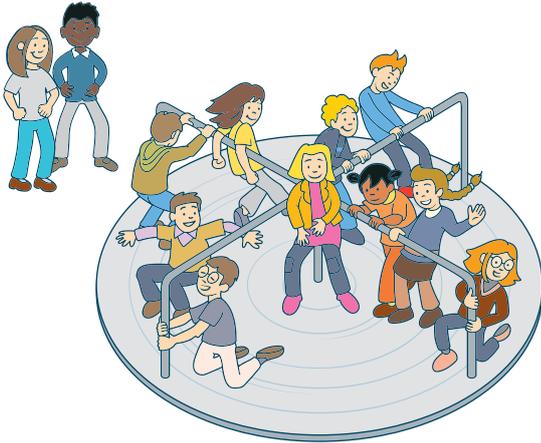


2 Spitz ● oder stumpf ● ?



Die Zahlen bis 20

1



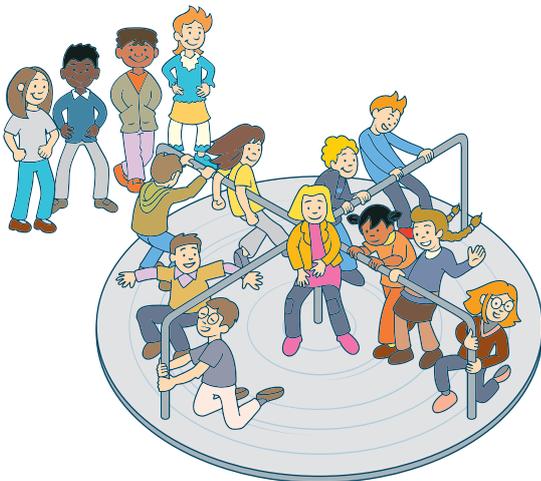
$$10 + 2$$



1 Zehner
2 Einer

Z	E
1	2

2

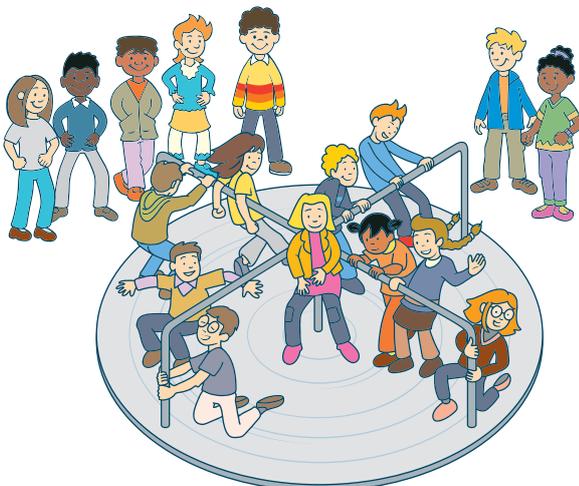


Z	E
1	4

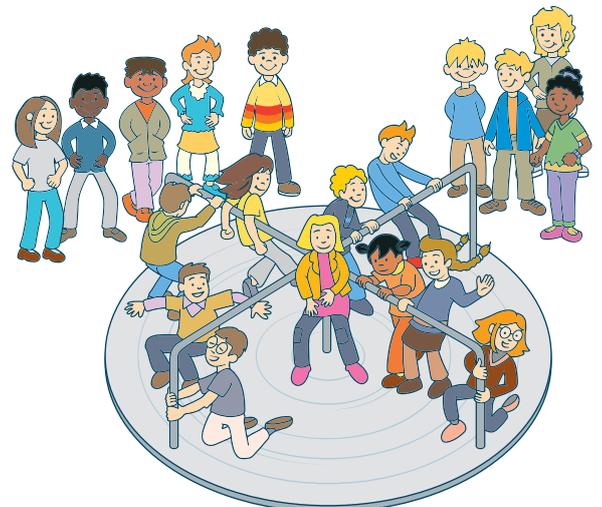


Z	E
1	5

3



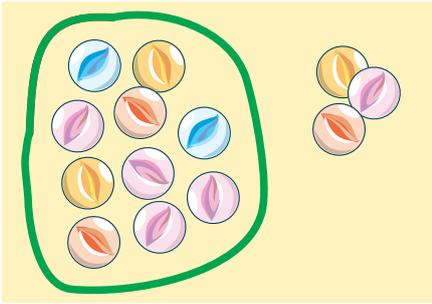
Z	E
1	7



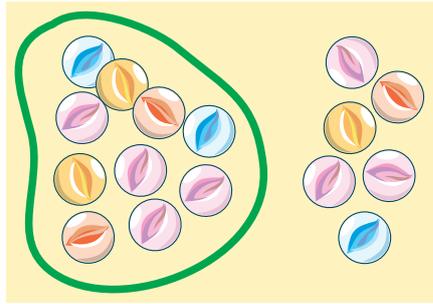
Z	E
1	9

Die Zahlen bis 20

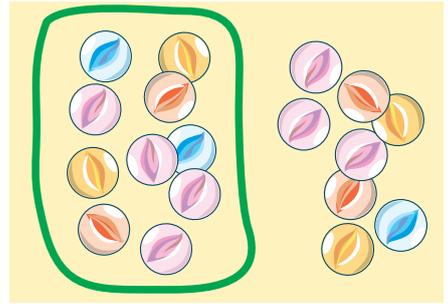
1



Z	E
1	3

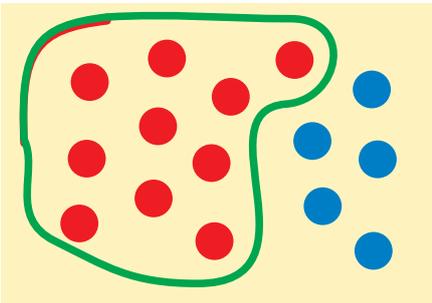


Z	E
1	6

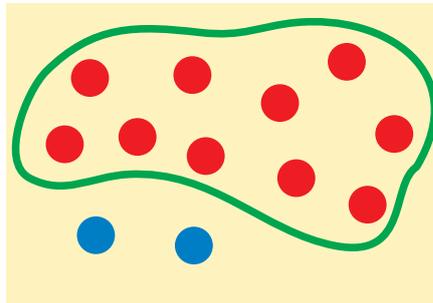


Z	E
1	8

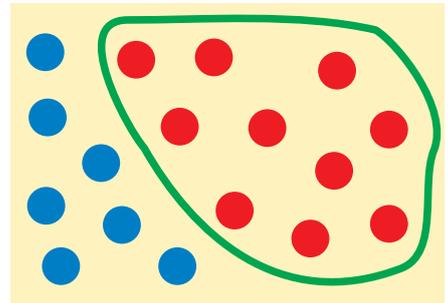
2



Z	E
1	5



Z	E
1	2



Z	E
1	7

3

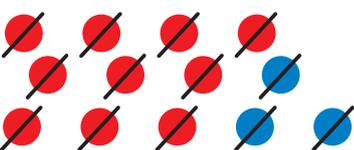
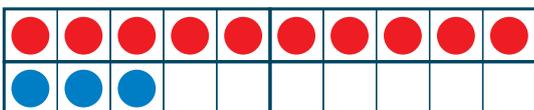


1	4

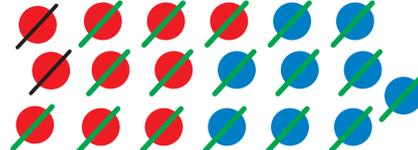
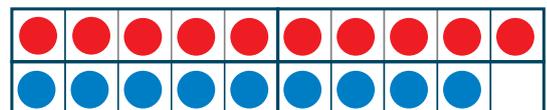


1	1

4

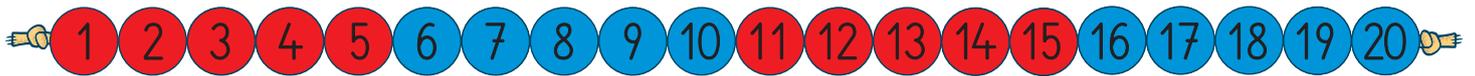


Z	E
1	3



Z	E
1	9

Die Zahlen bis 20



1

12 14 17 11 19 16 20

2

1	2	3	4	5	6	7	8	9	10										
1	1	1	2	1	3	1	4	1	5	1	6	1	7	1	8	1	9	2	0

Lies: 13
Schreibe: 13

3

4

Die Zahlen bis 20

1 Treppauf - treppab

$$19 + 1 = 20$$

$$18 + 1 = 19$$

$$17 + 1 = 18$$

$$16 + 1 = 17$$

$$15 + 1 = 16$$

$$14 + 1 = 15$$

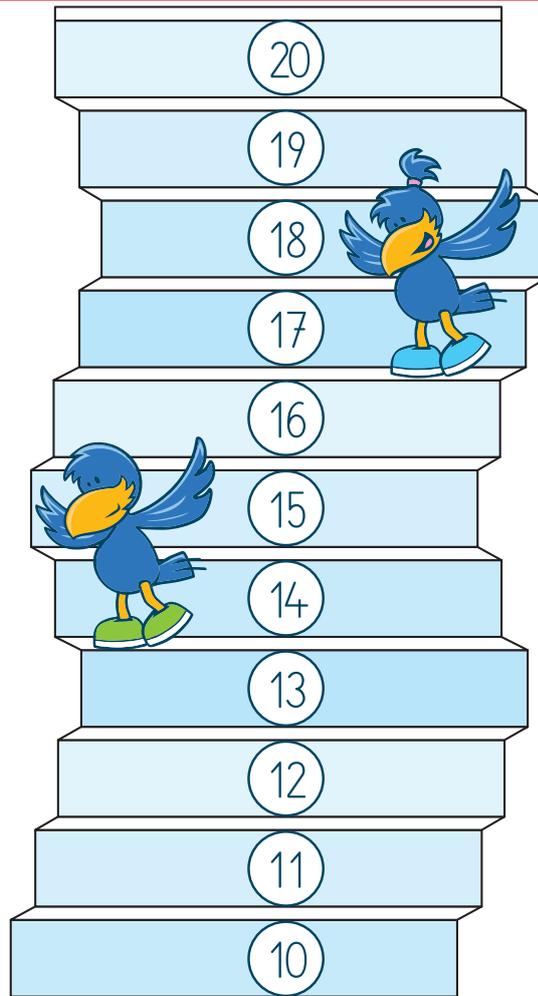
$$13 + 1 = 14$$

$$12 + 1 = 13$$

$$11 + 1 = 12$$



$$10 + 1 = 11$$



$$20 - 1 = 19$$

$$19 - 1 = 18$$

$$18 - 1 = 17$$

$$17 - 1 = 16$$

$$16 - 1 = 15$$

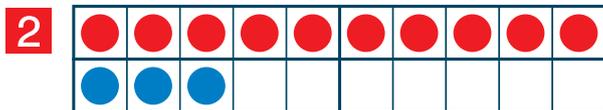
$$15 - 1 = 14$$

$$14 - 1 = 13$$

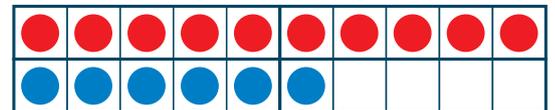
$$13 - 1 = 12$$

$$12 - 1 = 11$$

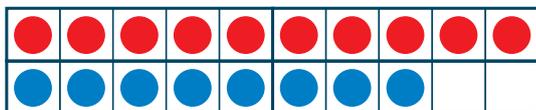
$$11 - 1 = 10$$



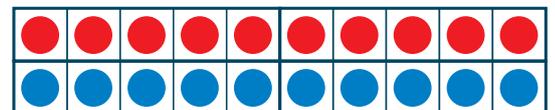
$$13 = 10 + 3$$



$$16 = 10 + 6$$



$$18 = 10 + 8$$



$$20 = 10 + 10$$

3

$$10 + 4 = 14$$

$$10 + 7 = 17$$

$$16 - 6 = 10$$

$$10 + 7 = 17$$

$$10 + 9 = 19$$

$$18 - 8 = 10$$

$$10 + 5 = 15$$

$$10 + 4 = 14$$

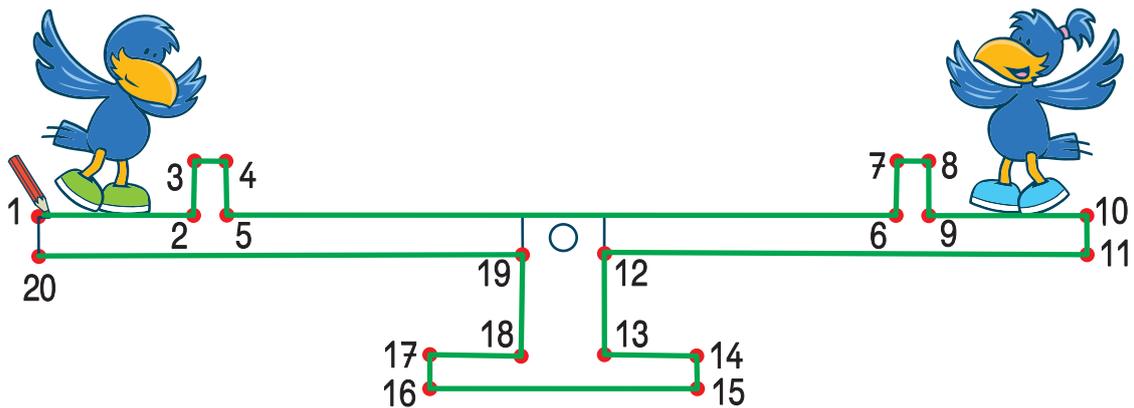
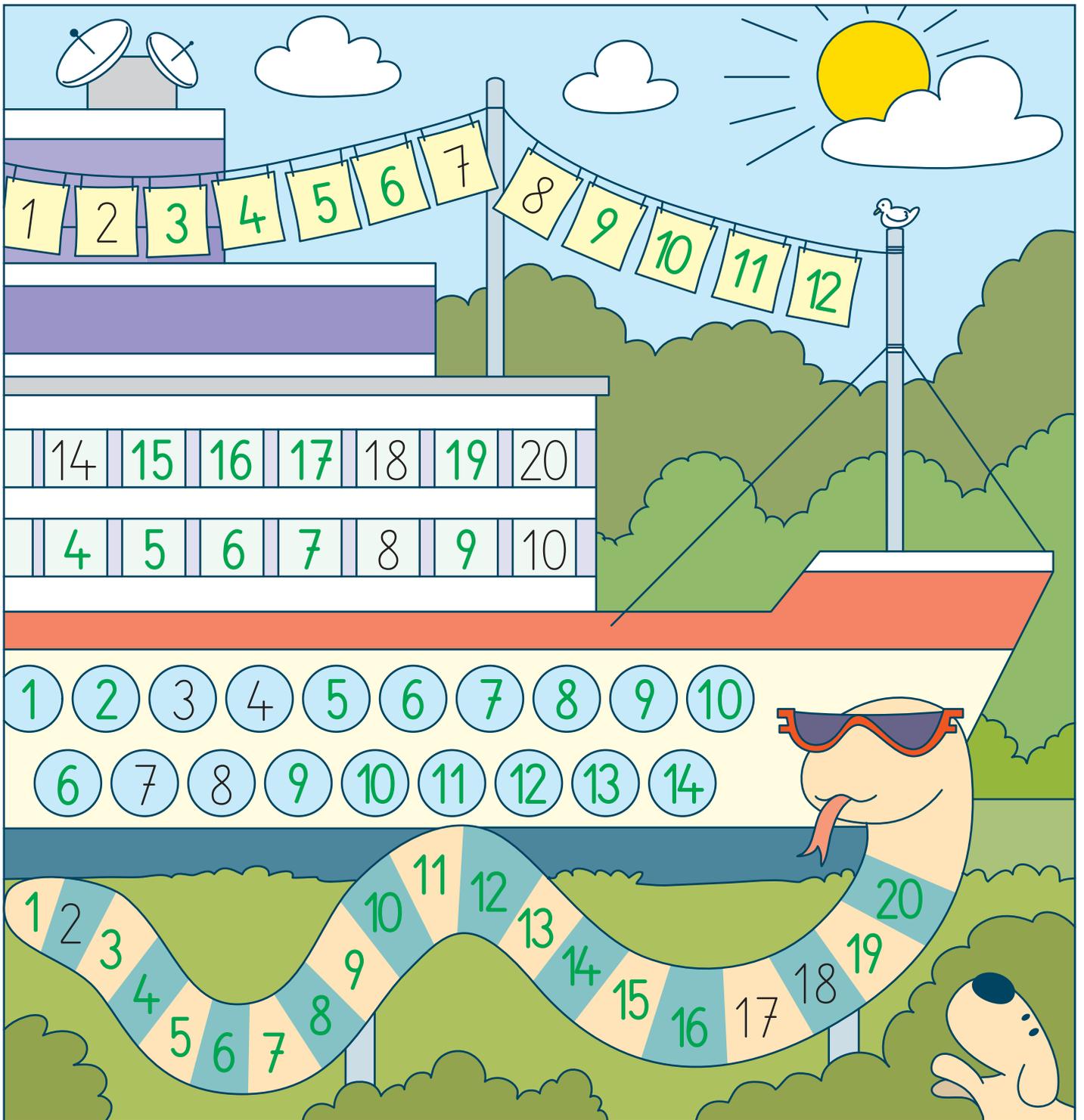
$$11 - 1 = 10$$

$$10 + 0 = 10$$

$$10 + 2 = 12$$

$$10 - 0 = 10$$

Die Zahlenreihe



Die Zahlenreihe

1

6	7	8	9	10	13	14	15	16	17
9	10	11	12	13	7	8	9	10	11
16	17	18	19	20	8	9	10	11	12

2

3

Vorgänger

Nachfolger

16 ist vor 17,
18 ist nach 17!

4

V	Zahl	N
9	10	11
13	14	15
17	18	19
12	13	14
10	11	12

Vor 10 kommt ...

V	Zahl	N
16	17	18
11	12	13
15	16	17
18	19	20
14	15	16

Ordnungszahlen



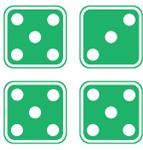
1

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

2 Male die Fähnchen an wie im Bild.

3.	5.	9.	19.	17.	15.	12.	8.
14.	4.	7.	11.	13.	16.	18.	20.

Größer, kleiner oder gleich

1   20 ist größer als 18
 $20 > 18$   
 $20 > 18$ $16 < 17$

2  
 $16 \text{ c} = 16 \text{ c}$

 
 $11 \text{ €} < 12 \text{ €}$

3 $16 < 19$ $11 < 17$ $0 < 10$ $14 > 13$
 $8 < 18$ $20 > 10$ $12 = 12$ $20 = 20$

4 Welche Zahlen kannst du einsetzen?

 < 10 : 0 1 2 3 4 5 6 7 8 9
 < 16 : 0 1 2 3 4 5 6 7
8 9 10 11 12 13 14 15

5 Ordne die Zahlen der Reihe nach. Beginne mit der größten Zahl.

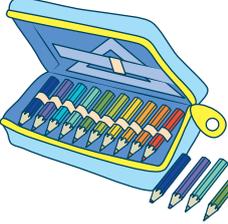
13 E 16 P
 11 R 20 S
 19 U

20 19 16 13 11
S U P E R

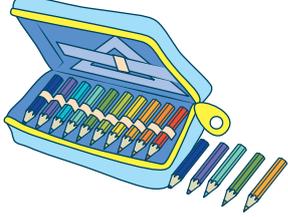
Plusaufgaben

1   
 $4 + 2 = \underline{6}$

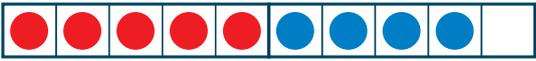
 
 $5 + 3 = \underline{8}$

 
 $14 + 2 = \underline{16}$



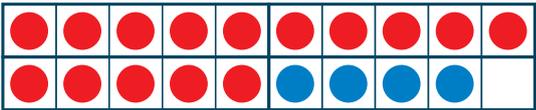
 
 $15 + 3 = \underline{18}$

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


 $5 + 4 = \underline{9}$


 $13 + 3 = \underline{16}$




 $15 + 4 = \underline{19}$

3 $6 + 3 = \underline{9}$

$4 + 4 = \underline{8}$

$16 + 3 = \underline{19}$

$14 + 4 = \underline{18}$

$2 + 6 = \underline{8}$

$2 + 5 = \underline{7}$

$12 + 6 = \underline{18}$

$12 + 5 = \underline{17}$

$3 + 4 = \underline{7}$

$7 + 2 = \underline{9}$

$13 + 4 = \underline{17}$

$17 + 2 = \underline{19}$

Jeweils
zwei Ergebnisse
sind gleich.



4 Rechne zuerst die einfache Aufgabe.

 Schreibe so: $1 + 3 = 4$ $11 + 3$ $15 + 3$ $12 + 8$
 $11 + 3 = 14$ $13 + 6$ $16 + 4$ $14 + 5$

Minusaufgaben

1

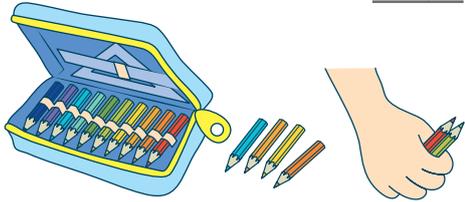


$$6 - 2 = \underline{4}$$

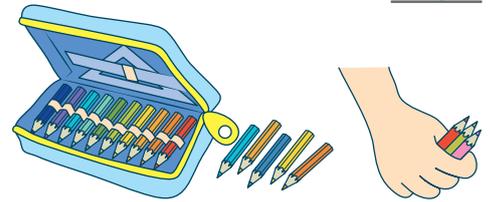
Minus
ist genauso einfach.



$$8 - 3 = \underline{5}$$



$$16 - 2 = \underline{14}$$



$$18 - 3 = \underline{15}$$

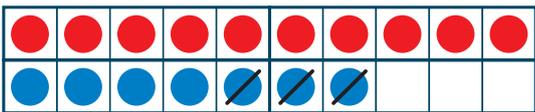
2



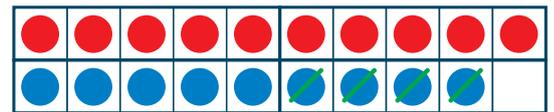
$$7 - 3 = \underline{4}$$



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



$$17 - 3 = \underline{14}$$



$$19 - 4 = \underline{15}$$

3

$$7 - 2 = \underline{5}$$

$$9 - 3 = \underline{6}$$

$$8 - 5 = \underline{3}$$

$$17 - 2 = \underline{15}$$

$$19 - 3 = \underline{16}$$

$$18 - 5 = \underline{13}$$

$$4 - 2 = \underline{2}$$

$$10 - 6 = \underline{4}$$

$$5 - 4 = \underline{1}$$

$$14 - 2 = \underline{12}$$

$$20 - 6 = \underline{14}$$

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

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

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

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

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

$$20 - 3 = \underline{17}$$

$$19 - 7 = \underline{12}$$

4 Löse wieder die einfache Aufgabe zuerst.



Schreibe so: $2 - 1 = 1$ $12 - 1$ $19 - 5$ $17 - 4$
 $12 - 1 = 11$ $16 - 4$ $18 - 6$ $20 - 5$

Ergänzen

1 Wie viel kommt dazu?



0	1	2	3	4	5	6	7	8	9	10
S	G	N	H	E	A	I	L	D	O	U

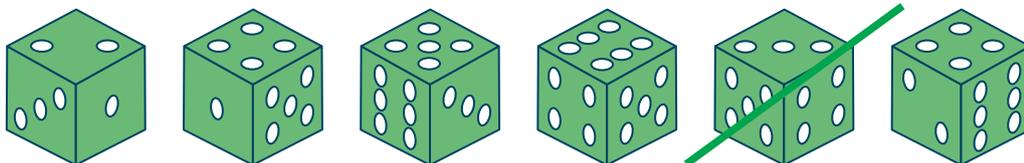
$12 + \underline{3} = 15$	H	$13 + \underline{6} = 19$	I	$14 + \underline{3} = 17$	H
$12 + \underline{5} = 17$	A	$11 + \underline{1} = 12$	G	$10 + \underline{10} = 20$	U
$12 + \underline{0} = 12$	S	$16 + \underline{4} = 20$	E	$17 + \underline{2} = 19$	N
$12 + \underline{4} = 16$	E	$11 + \underline{7} = 18$	L	$12 + \underline{8} = 20$	D
$11 + \underline{8} = 19$	D	$16 + \underline{3} = 19$	H	$16 + \underline{1} = 17$	G
$12 + \underline{6} = 18$	I	$14 + \underline{5} = 19$	A	$11 + \underline{5} = 16$	A
$15 + \underline{2} = 17$	N	$13 + \underline{3} = 16$	H	$18 + \underline{2} = 20$	N
$11 + \underline{9} = 20$	O	$11 + \underline{2} = 13$	N	$20 + \underline{0} = 20$	S

2 Wie viel kommt weg?

$15 - \underline{2} = 13$	$17 - \underline{6} = 11$	$20 - \underline{3} = 17$
$19 - \underline{3} = 16$	$18 - \underline{4} = 14$	$20 - \underline{8} = 12$
$16 - \underline{2} = 14$	$16 - \underline{3} = 13$	$20 - \underline{6} = 14$

2	2	3	3	3	4	6	6	8
---	---	---	---	---	---	---	---	---

3 Welcher Würfel passt nicht? Streiche ihn durch.



Oben und unten immer ...



Der Zahlenstrahl

1 Zähle in Zweierschritten.



Vor: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

Zurück: 19, 17, 15, 13, 11, 9, 7, 5, 3, 1

2



Die Zahlen von 11 bis 15: 11, 12, 13, 14, 15



Die Zahlen zwischen 11 und 15: 12, 13, 14

3 Die Zahlen von 8 bis 18:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

Die Zahlen zwischen 6 und 18:

7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

4



Ich habe die Zahlen von 5 bis 15 aufgeschrieben. Wie oft habe ich die Ziffer 5 geschrieben?

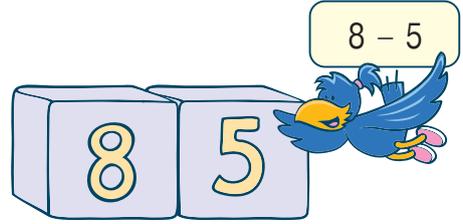
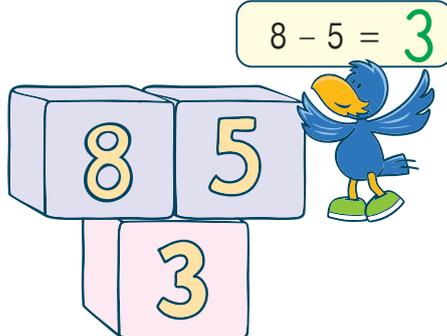
2-mal



Ich schreibe die Zahlen zwischen 10 und 19 auf. Wie oft werde ich die Ziffer 1 schreiben?

9-mal

Minusmauern

1   

2

4	2
2	

6	1
5	

9	4
5	

3

7	3
4	

8	6
2	

10	5
5	

4

5	3
2	

7	2
5	

10	8
2	

5

16	1
15	

18	4
14	

20	4
16	

 **6** Setze passende Zahlen ein.



1 3 4 5 6 9

5	4
1	

Wo steht die größte Zahl?



9	6
3	

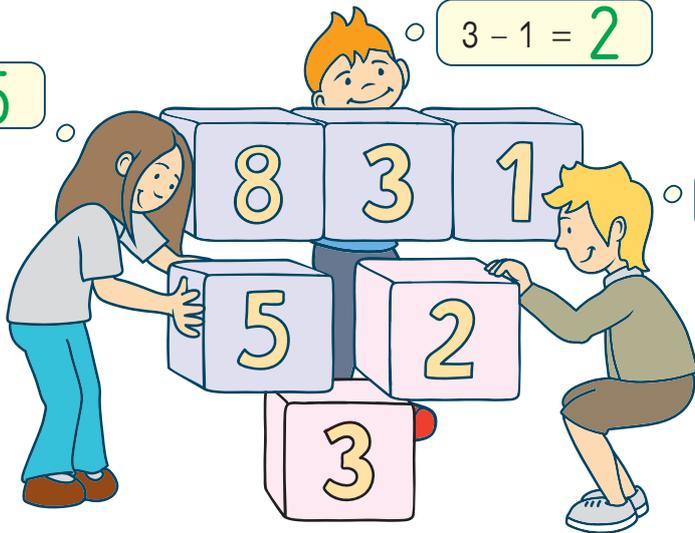
Minusmauern

1

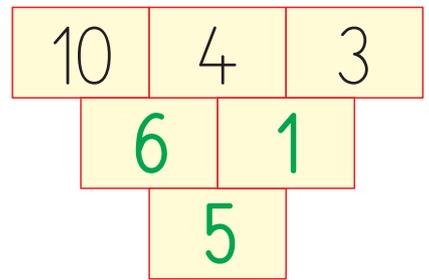
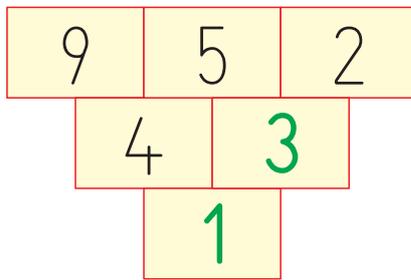
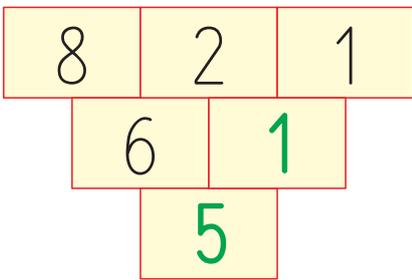
$$8 - 3 = 5$$

$$3 - 1 = 2$$

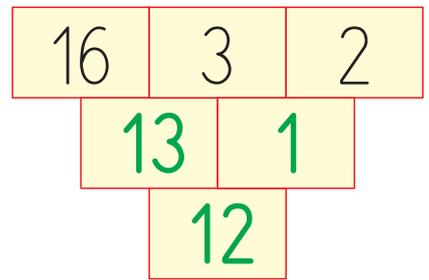
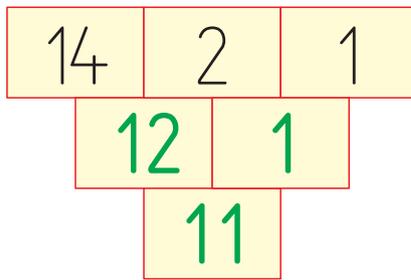
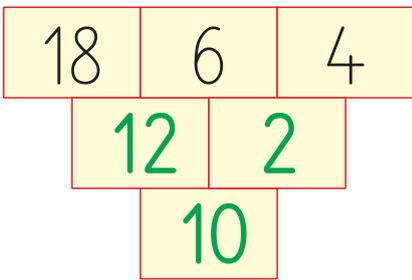
$$5 - 2 = 3$$



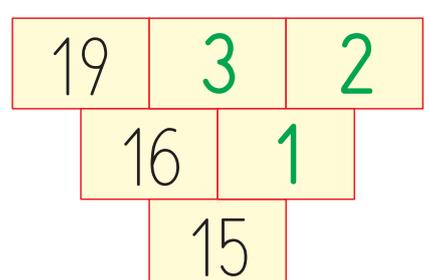
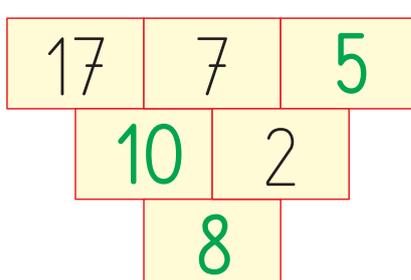
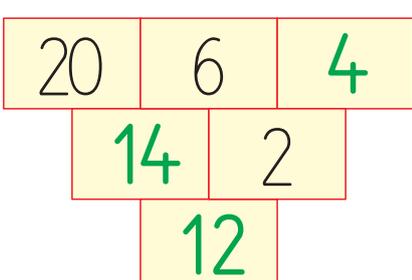
2



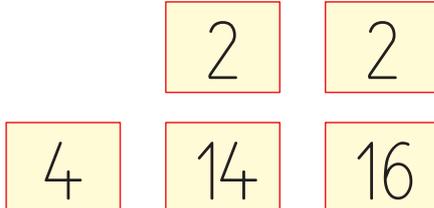
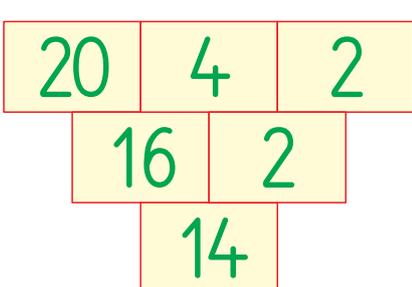
3



4



5



Bilde eine Minusmauer.





1

10	11	12	13	14	15	16	17	18	19	20
B	V	R	M	E	P	U	S	O	I	A

$18 - 8 = 10$	$13 + 2 = 15$	$19 - 2 = 17$
$20 - 8 = 12$	$17 - 5 = 12$	$13 + 3 = 16$
$11 + 9 = 20$	$20 - 1 = 19$	$18 - 3 = 15$
$17 - 6 = 11$	$20 - 7 = 13$	$11 + 3 = 14$
$19 - 1 = 18$	$14 + 6 = 20$	$16 - 4 = 12$



2

$11 + 5 = 16$	$12 + 3 = 15$
$15 + 1 = 16$	$13 + 2 = 15$
$13 + 7 = 20$	_____
$17 + 3 = 20$	_____

Was fällt dir auf?
Schreibe selbst
zwei Plusaufgaben auf.



3

20	-5	15	+3	18	-6	12	+4	16	+4	20
10	+2	12	+3	15	+3	18	+2	20	-10	10
16	-6	10	-3	7	-3	4	+6	10	-10	0



4

Setze + oder - ein.

$18 - 4 + 1 = 15$	$12 + 6 - 2 - 4 = 12$
$11 + 5 - 2 = 14$	$19 - 5 + 1 + 5 = 20$



1

+	3	4	5
13	$13 + 3 = 16$	$13 + 4 = 17$	$13 + 5 = 18$
14	$14 + 3 = 17$	$14 + 4 = 18$	$14 + 5 = 19$
15	$15 + 3 = 18$	$15 + 4 = 19$	$15 + 5 = 20$

Aufgabe
und
4 Nachbar-
aufgaben



-	2	3	4
16	$16 - 2 = 14$	$16 - 3 = 13$	$16 - 4 = 12$
17	$17 - 2 = 15$	$17 - 3 = 14$	$17 - 4 = 13$
18	$18 - 2 = 16$	$18 - 3 = 15$	$18 - 4 = 14$

2

$12 + 4 = 16$	$12 + 5 = 17$	$12 + 6 = 18$
$13 + 4 = 17$	$13 + 5 = 18$	$13 + 6 = 19$
$14 + 4 = 18$	$14 + 5 = 19$	$14 + 6 = 20$

Fülle auch
die anderen Felder
aus.



$17 - 3 = 14$	$17 - 4 = 13$	$17 - 5 = 12$
$18 - 3 = 15$	$18 - 4 = 14$	$18 - 5 = 13$
$19 - 3 = 16$	$19 - 4 = 15$	$19 - 5 = 14$

3

$11 + 1 = 12$	$11 + 2 = 13$	$11 + 3 = 14$
$12 + 1 = 13$	$12 + 2 = 14$	$12 + 3 = 15$
$13 + 1 = 14$	$13 + 2 = 15$	$13 + 3 = 16$

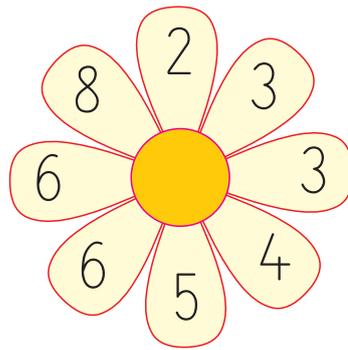
Aufgabe und
4 Nachbaraufgaben



Ergänzen



1 $15 + \underline{3} = 18$
 $19 - \underline{2} = 17$
 $13 + \underline{6} = 19$
 $17 - \underline{5} = 12$



$20 - \underline{6} = 14$
 $16 + \underline{3} = 19$
 $15 - \underline{4} = 11$
 $12 + \underline{8} = 20$

2

3

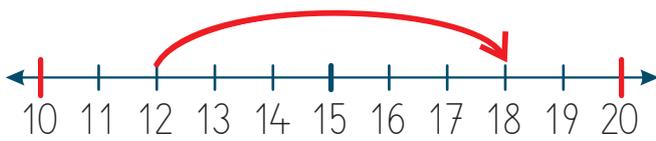
18	13	17	15
$15 + 3$	$14 - 1$	$16 + 1$	
$12 + 6$	$17 - 4$	$20 - 3$	

4

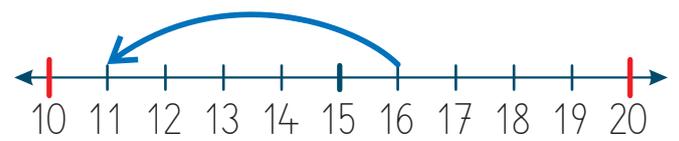
Rechenbefehle



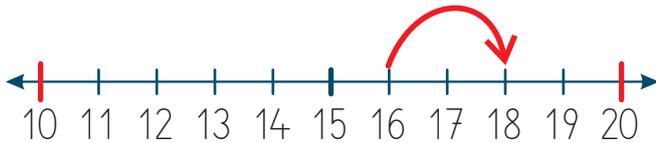
1 Zeichne die Plus- und Minusaufgaben auf dem Zahlenstrahl ein.



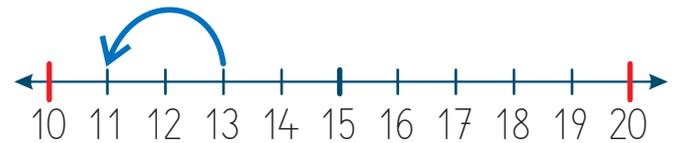
$$12 \xrightarrow{+6} \underline{18}$$



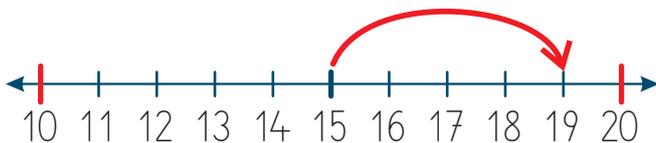
$$16 \xrightarrow{-5} \underline{11}$$



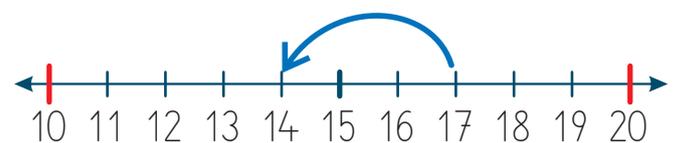
$$16 \xrightarrow{+2} \underline{14}$$



$$13 \xrightarrow{-2} \underline{11}$$



$$15 \xrightarrow{+4} \underline{19}$$



$$17 \xrightarrow{-3} \underline{14}$$

2 Wie heißt der Rechenbefehl?

$$13 \xrightarrow{+3} 16$$

$$17 \xrightarrow{+2} 19$$

$$14 \xrightarrow{+4} 18$$

$$19 \xrightarrow{-6} 13$$

$$15 \xrightarrow{-5} 10$$

$$16 \xrightarrow{-4} 12$$

3

$+4 \rightarrow$	
12	16
15	19

$-5 \rightarrow$	
20	15
17	12

$+6 \rightarrow$	
11	17
14	20

$-7 \rightarrow$	
20	13
18	11

4

$\underline{14}$	$+4 \rightarrow$	18
------------------	------------------	----

$\underline{15}$	$-3 \rightarrow$	12
------------------	------------------	----

Denke dir zu jedem Rechenbefehl ein Zahlenrätsel aus.



Wie geht es weiter?

Finde die Regel.

1

$11 + 3 = 14$
$11 + 4 = 15$
$11 + 5 = 16$
$11 + 6 = 17$
$11 + 7 = 18$

$20 - 8 = 12$
$19 - 7 = 12$
$18 - 6 = 12$
$17 - 5 = 12$
$16 - 4 = 12$

$14 + 1 = 15$
$14 + 2 = 16$
$14 + 3 = 17$
$14 + 4 = 18$
$14 + 5 = 19$

2

$18 - 2 = 16$
$18 - 3 = 15$
$18 - 4 = 14$
$18 - 5 = 13$
$18 - 6 = 12$

$12 + 0 = 12$
$12 + 2 = 14$
$12 + 4 = 16$
$12 + 6 = 18$
$12 + 8 = 20$

$20 - 2 = 18$
$18 - 2 = 16$
$16 - 2 = 14$
$14 - 2 = 12$
$12 - 2 = 10$

3

$20 - 1 = 19$
$20 - 4 = 16$
$20 - 7 = 13$
$20 - 10 = 10$

$19 - 9 = 10$
$17 - 7 = 10$
$15 - 5 = 10$
$13 - 3 = 10$

$14 - 3 = 11$
$16 - 5 = 11$
$18 - 7 = 11$
$20 - 9 = 11$

4  Schreibt eine Plus- und eine Minusreihe in das Heft.



Das andere Kind nennt die Regel.



1

+	2	4	3	5
12	14	16	15	17
13	15	17	16	18
14	16	18	17	19

12 + 4 =



+	1	5	0	4
11	12	16	11	15
15	16	20	15	19
10	11	15	10	14

2

-	1	3	4	2
16	15	13	12	14
15	14	12	11	13
14	13	11	10	12

16 - 1 =



-	4	2	1	3
18	14	16	17	15
17	13	15	16	14
20	16	18	19	17



3

+	8	6	0	7
11	19	17	11	18
12	20	18	12	19
10	18	16	10	17



-	6	8	7	5
19	13	11	12	14
18	12	10	11	13
20	14	12	13	15

1			
10	11	11	12
14	14	15	15
15	15	15	16
16	16	16	16
17	17	17	18
18	19	19	20

2			
3	4	10	11
11	12	12	13
13	13	13	14
14	14	14	15
15	16	16	16
17	17	18	19

3			
5	8	8	10
10	11	11	11
12	12	12	12
13	13	15	16
17	17	18	18
19	19	20	20

Rechnen mit drei Zahlen



1

$2 + 3 + 5 = \underline{10}$ $11 + 4 + 3 = \underline{18}$

2

$12 + 5 + 2 = \underline{19}$ $13 + 2 + 3 = \underline{18}$
 $13 + 3 + 4 = \underline{20}$ $10 + 5 + 5 = \underline{20}$
 $14 + 2 + 3 = \underline{19}$ $11 + 6 + 3 = \underline{20}$
 $11 + 3 + 5 = \underline{19}$ $12 + 1 + 6 = \underline{19}$



3

$10 - 4 - 3 = \underline{3}$ $19 - 4 - 2 = \underline{13}$

4

$12 - 2 - 4 = \underline{6}$ $18 - 2 - 3 = \underline{13}$
 $17 - 4 - 3 = \underline{10}$ $19 - 4 - 2 = \underline{13}$
 $20 - 6 - 2 = \underline{12}$ $20 - 4 - 5 = \underline{11}$
 $20 - 3 - 1 = \underline{16}$ $20 - 2 - 6 = \underline{12}$



5

16?

$20 - 5 + 1 \checkmark$ $11 + 8 - 3 \checkmark$ $19 - 8 + 5 \checkmark$
 ~~$12 + 5 - 2$~~ ~~$18 - 7 + 4$~~ ~~$12 + 8 - 6$~~
 $19 - 7 + 4 \checkmark$ ~~$13 + 4 - 3$~~ $20 - 9 + 5 \checkmark$
 $14 + 4 - 2 \checkmark$ $17 - 5 + 4 \checkmark$ $13 + 7 - 4 \checkmark$

Das kann ich schon

1

7 8 9 10 11 14 15 16 17 18

20 19 18 17 16 14 13 12 11 10

2

V	Zahl	N
10	11	12
14	15	16
18	19	20

V	Zahl	N
9	10	11
17	18	19
12	13	14

V	Zahl	N
13	14	15
15	16	17
16	17	18

3 Trage ein: größer als $>$ oder kleiner als $<$

20 € $>$ 18 €

$12 < 13$ $10 < 11$ $13 < 16$ $7 < 17$
 $9 < 19$ $0 < 10$ $20 > 10$ $15 > 14$

4 Mein Bruder Theo ist älter als 9 Jahre, aber jünger als 13 Jahre. Wie alt kann Theo sein? 10, 11, 12 Jahre

5 Die Zahlen von 8 bis 15:

8, 9, 10, 11, 12, 13, 14, 15

Die Zahlen zwischen 8 und 17:

9, 10, 11, 12, 13, 14, 15, 16

Das kann ich schon

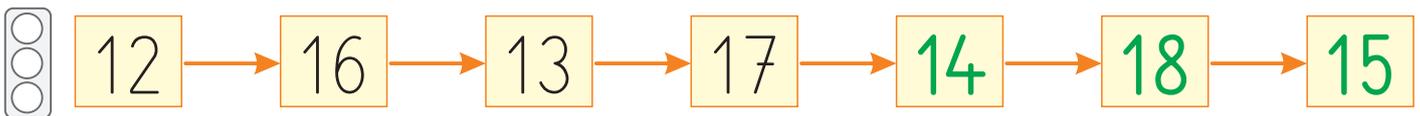
1 $11 + 5 = \underline{16}$ $16 + 3 = \underline{19}$ $14 + 2 = \underline{16}$
 $17 + 3 = \underline{20}$ $12 + 5 = \underline{17}$ $13 + 5 = \underline{18}$

2 $18 - 4 = \underline{14}$ $17 - 1 = \underline{16}$ $20 - 7 = \underline{13}$
 $19 - 8 = \underline{11}$ $15 - 0 = \underline{15}$ $20 - 2 = \underline{18}$

3

18 -2 16 +4 20 -8 12 +5 17 -7 10

4 Wie geht es weiter?



5 $11 + 3 + 5 = \underline{19}$ $19 - 3 - 2 = \underline{14}$
 $12 + 6 + 2 = \underline{20}$ $18 - 1 - 4 = \underline{13}$
 $13 + 2 + 3 = \underline{18}$ $17 - 5 - 2 = \underline{10}$

6

+	9	7	5	10
0	9	7	5	10
10	19	17	15	20

-	10	4	7	0
10	0	6	3	10
20	10	16	13	20

+	7	5	0	4
12	19	17	12	16
13	20	18	13	17

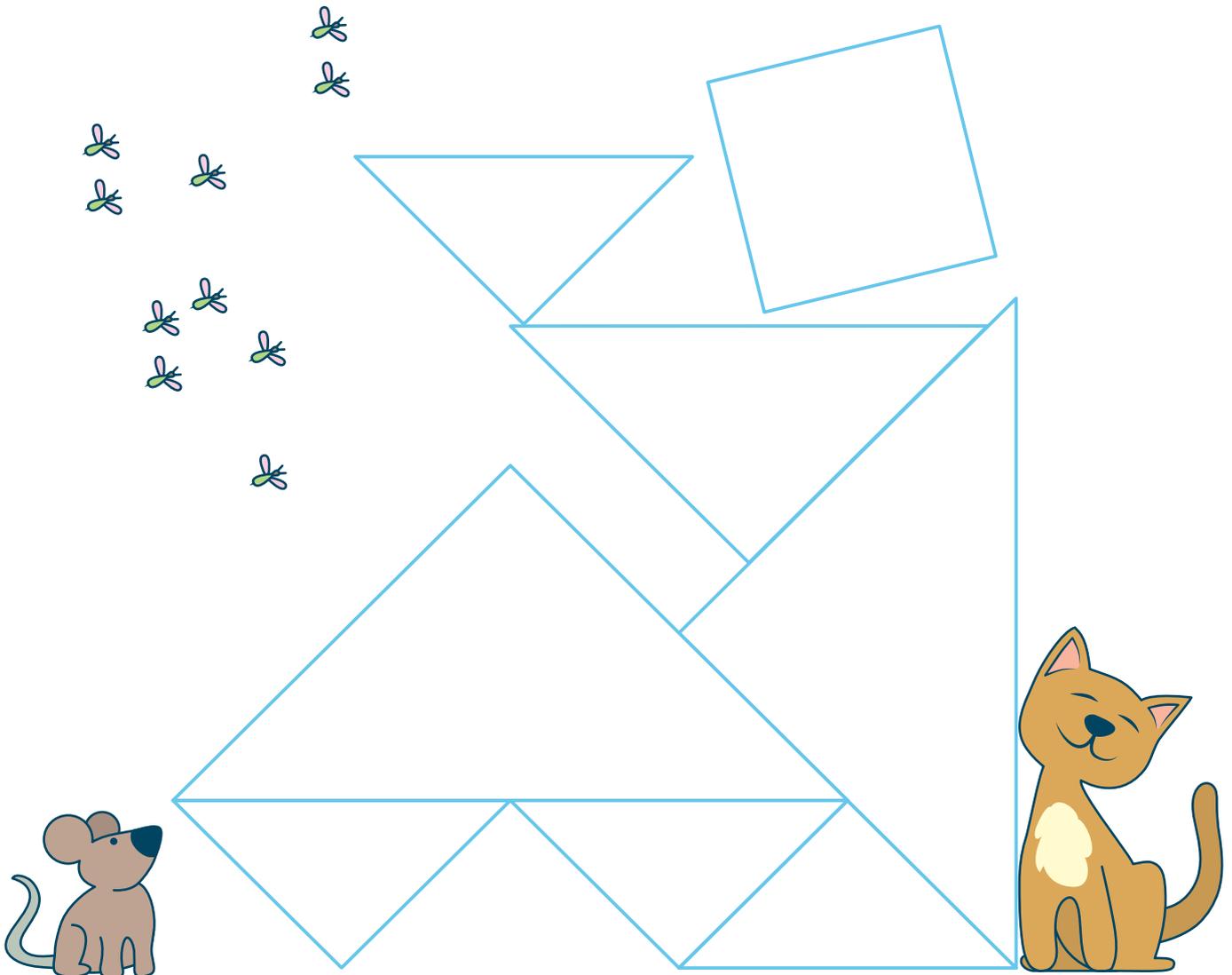


-	7	5	0	4
20	13	15	20	16
18	11	13	18	14

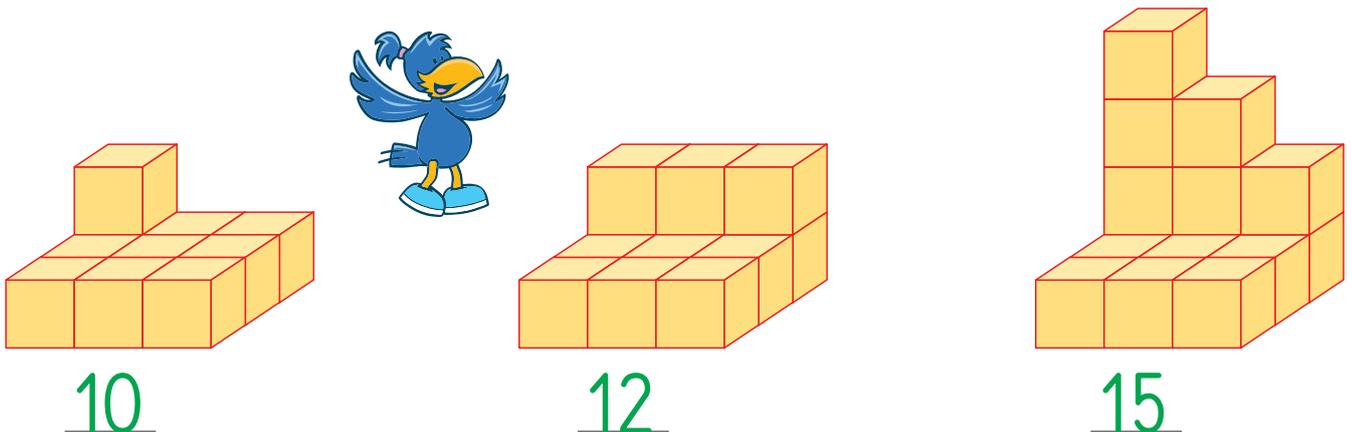
Ebene Figuren und Körper

1 Ziehe die Linien nach.

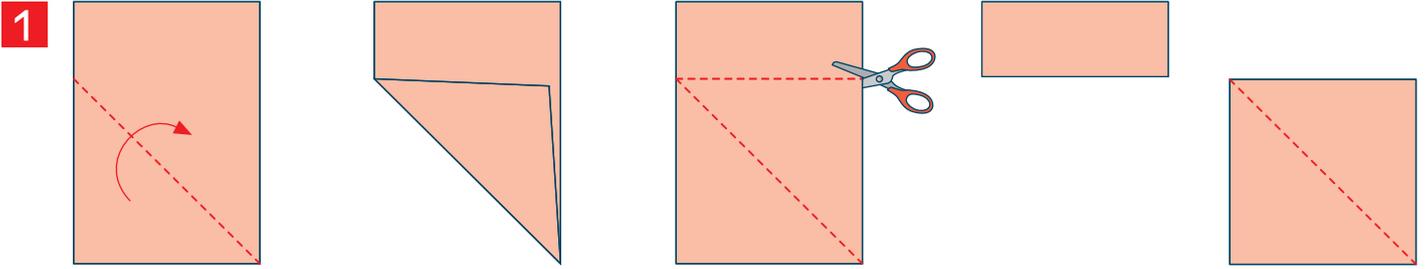
2 Lege die sitzende Figur mit den Formenplättchen aus.



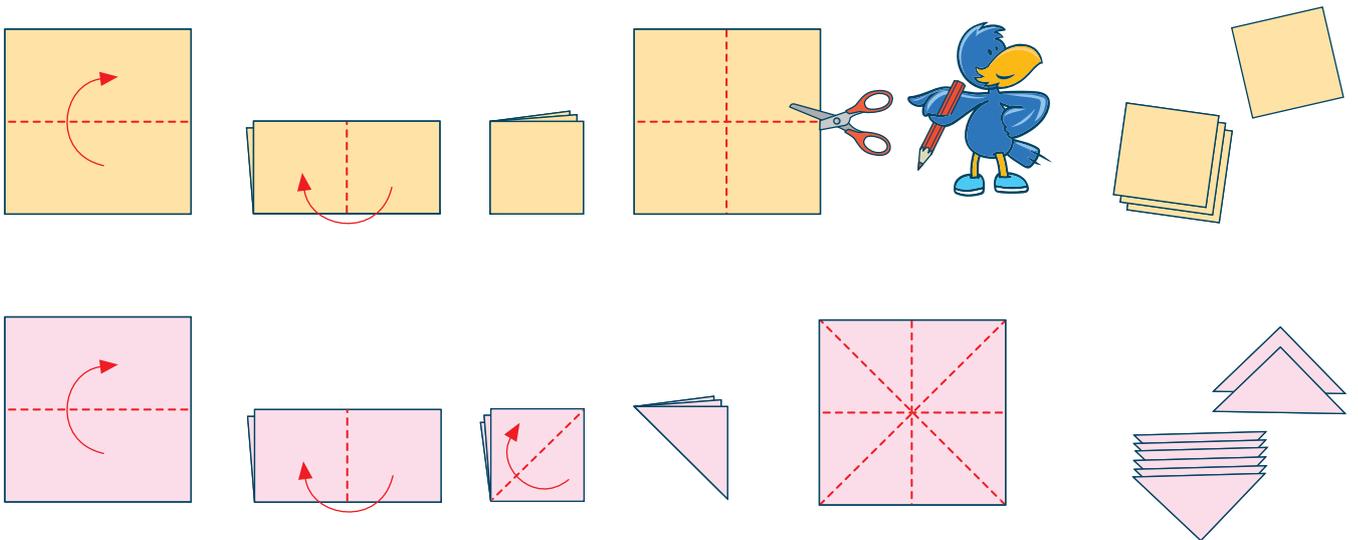
3 Baue nach. Wie viele Würfel brauchst du?



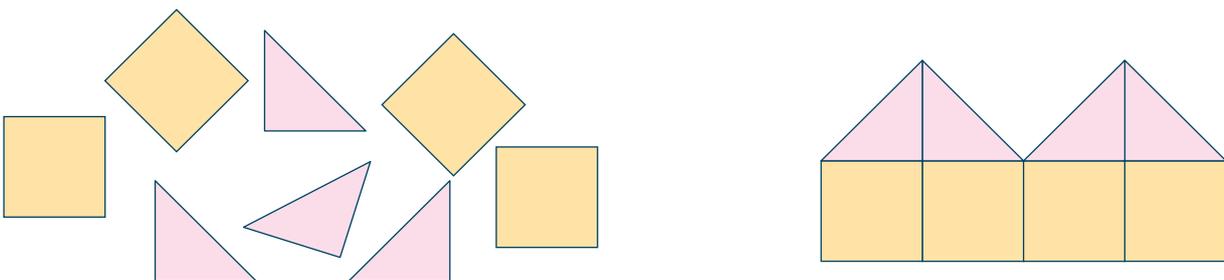
Falten und schneiden



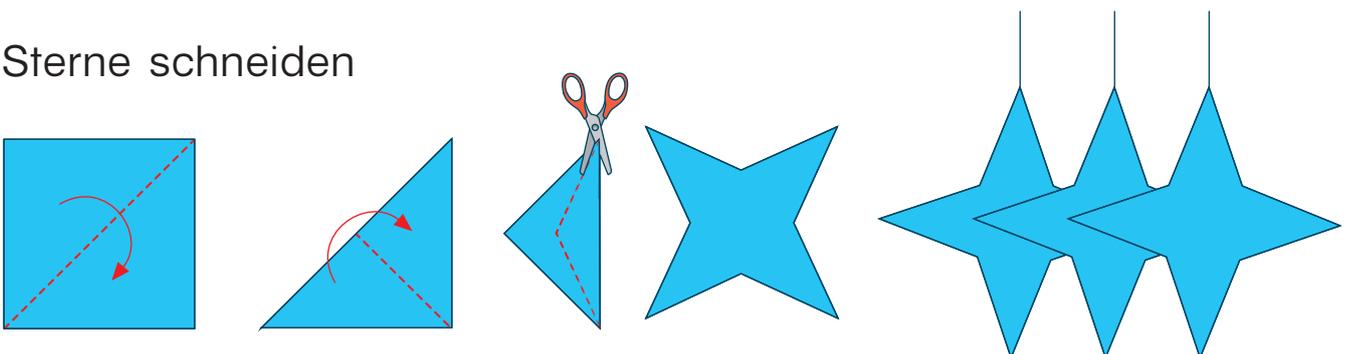
2 Falten, Faltnlinien nachziehen, schneiden



3 Muster legen und aufkleben

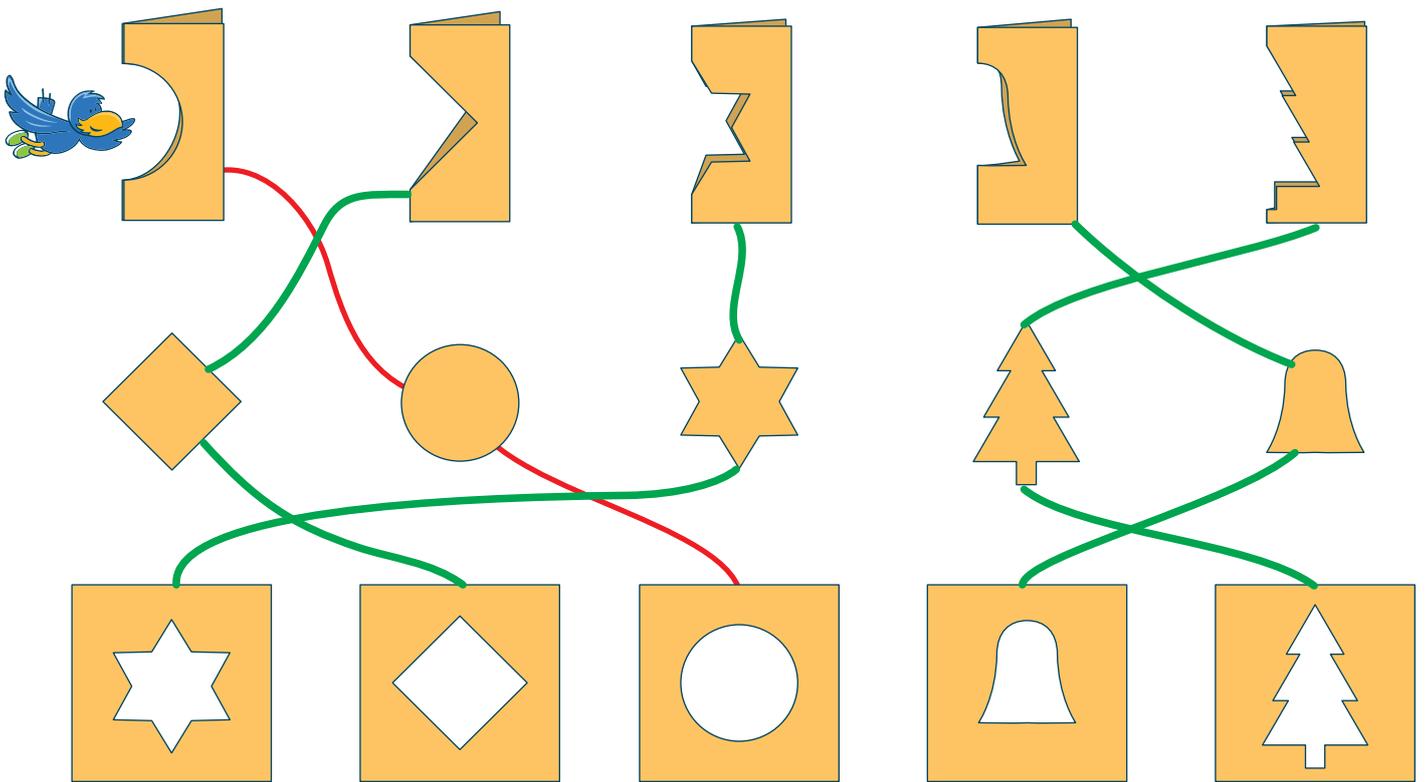


4 Sterne schneiden

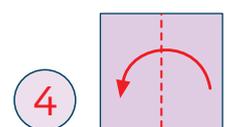
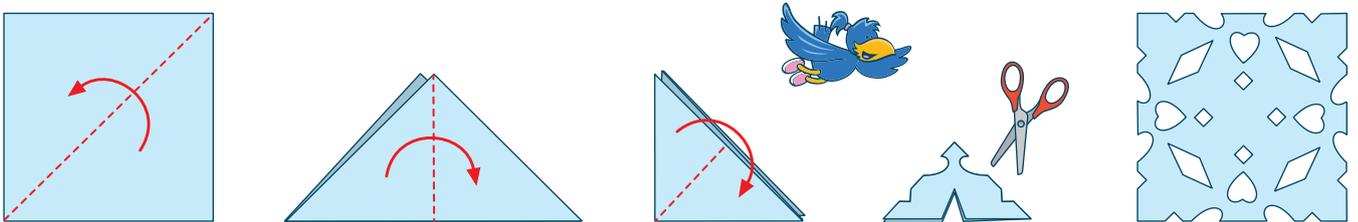


Falten und schneiden

1 Was gehört zusammen? Verbinde.

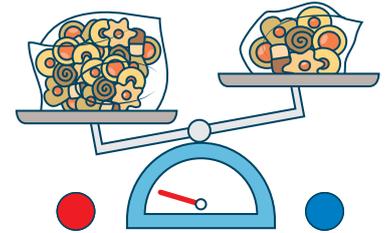
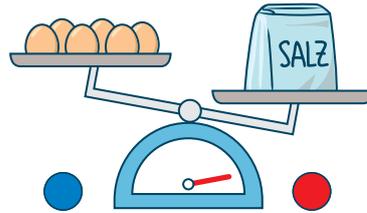
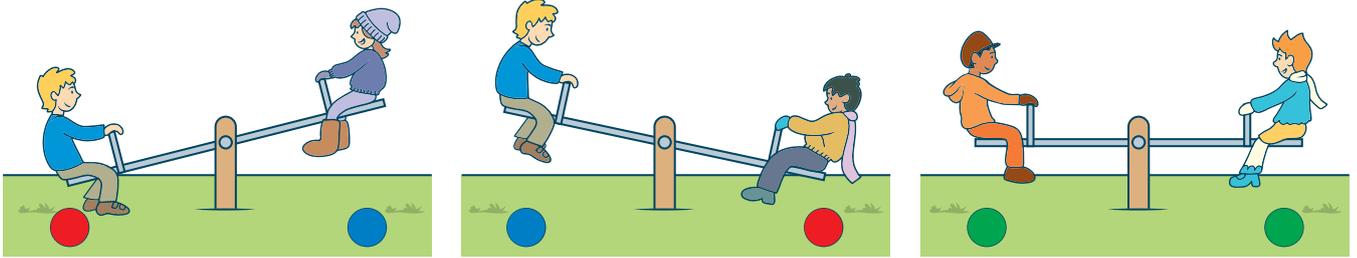


2 Schöne Muster schneiden



Gewicht

1 Male an: schwerer als ● leichter als ● gleich schwer wie ●



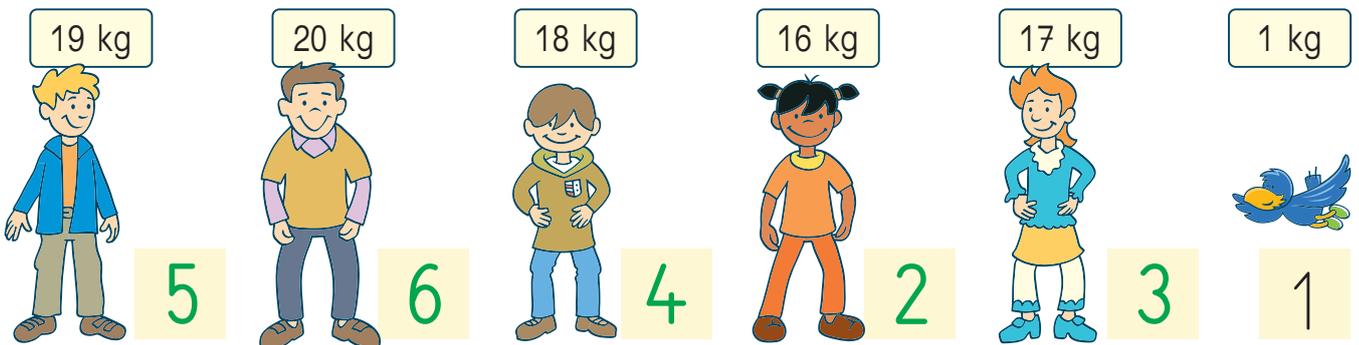
2 Schätzt und vergleicht das Gewicht von Dingen in der Klasse. Überprüft mit einer Waage.



Schwerer oder leichter als 1 Kilogramm?
Genau 1 Kilogramm?



4 Ordne nach dem Gewicht.

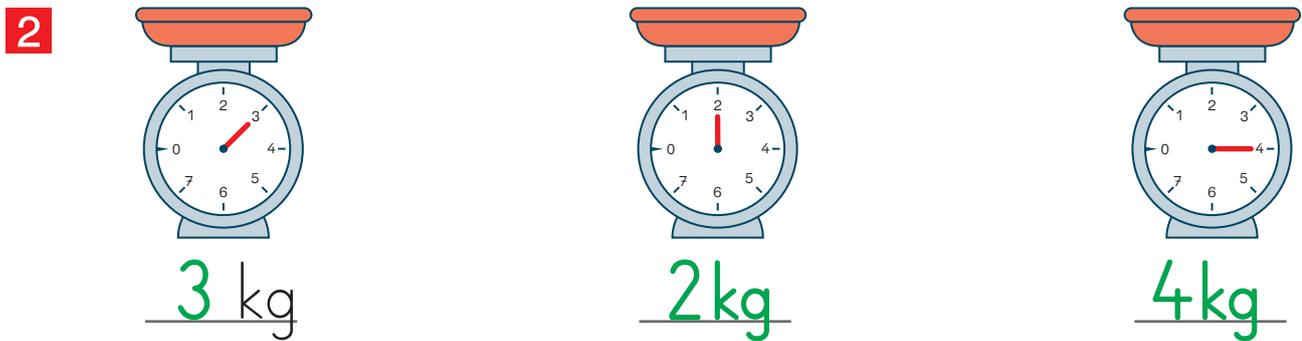


5 Ordne die Dinge nach ihrem Gewicht.

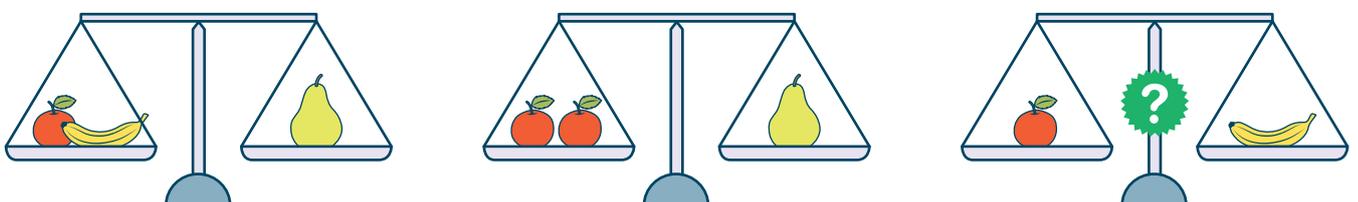


Gewicht

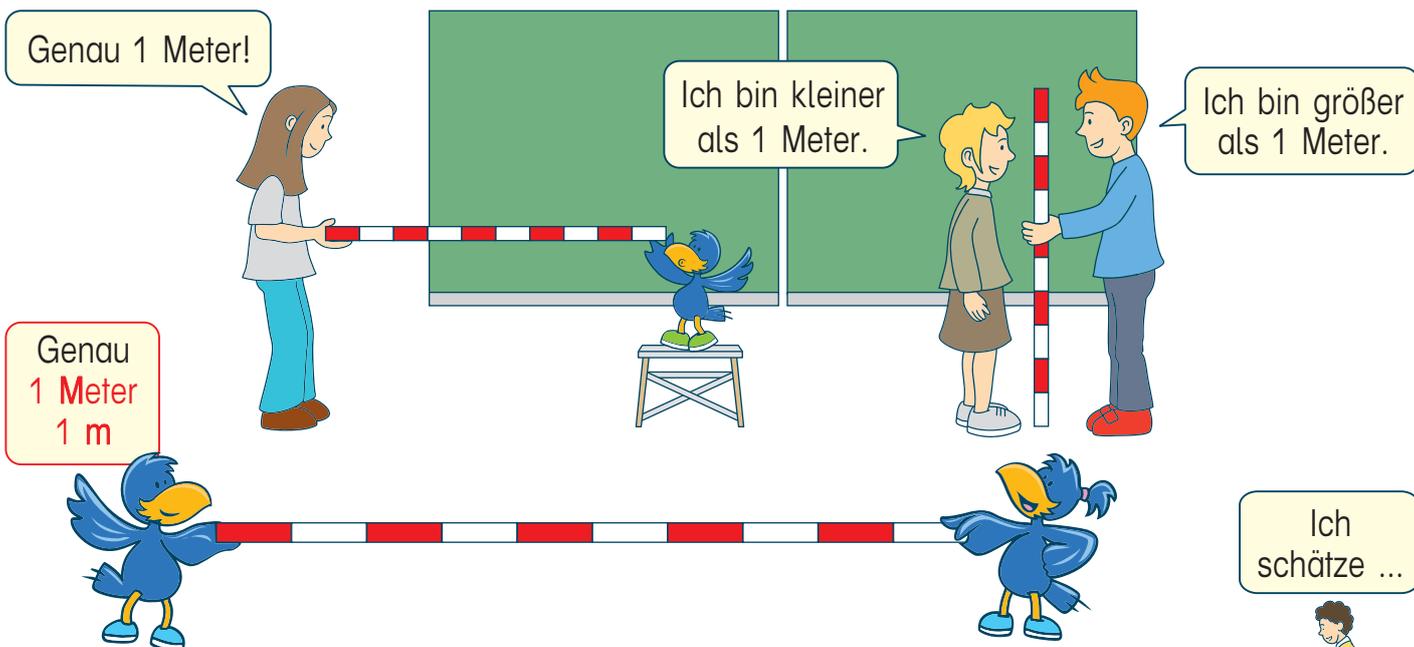
1 Male an: schwerer als 1 kg ● leichter als 1 kg ● 1 kg ●



6 Kann das stimmen? Ist der Apfel gleich schwer wie die Banane? Begründe deine Entscheidung. ✗ JA NEIN



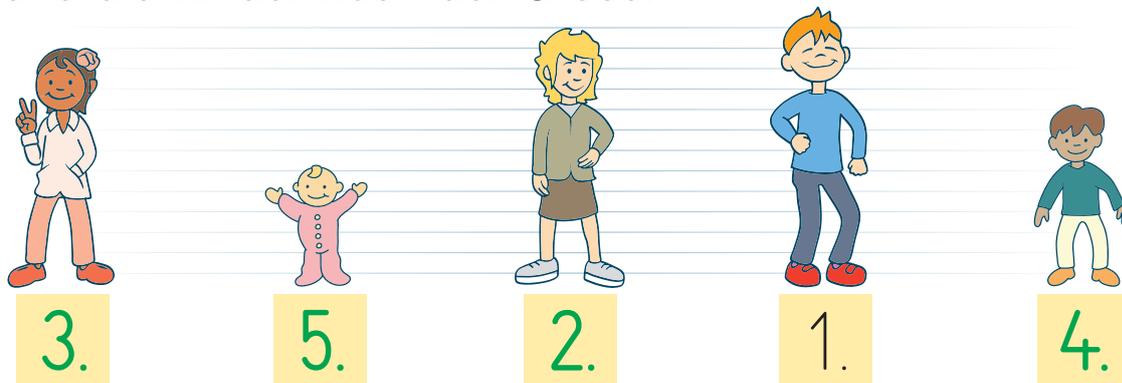
Längen



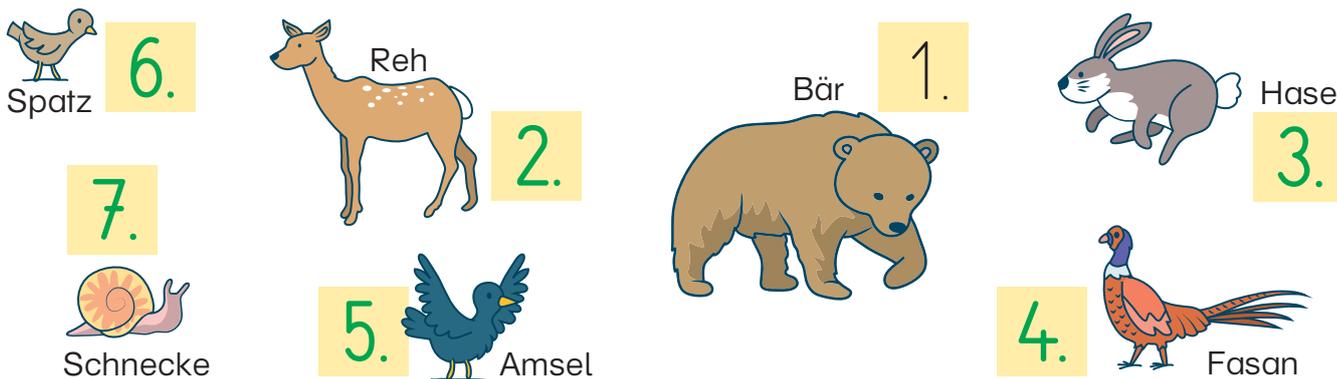
- 1** a) Wie viele Schritte ist das Klassenzimmer lang?
Wie viele Schritte ist das Klassenzimmer breit?
- b) Vergleicht die Längen von Dingen in der Klasse.
Schätzt zuerst, dann misst mit dem Meterstab.

Länger oder kürzer als 1 m?
Genau 1 m?

- 2** Ordne die Kinder nach der Größe.

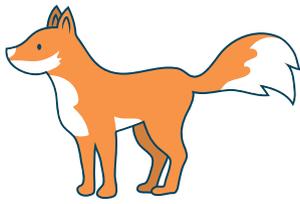


- 3** Nummeriere die Tiere nach ihrer Größe.



Längen

1 Male an: größer als 1 m ● kleiner als 1 m ●



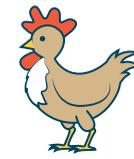
● Fuchs



● Braunbär



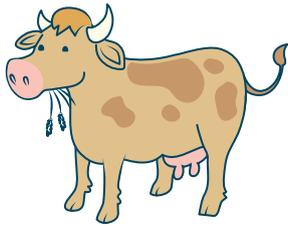
● Kuckuck



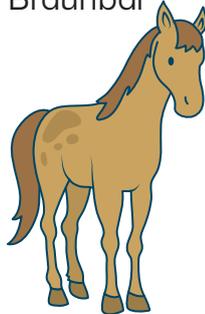
● Huhn



● Katze



● Kuh



● Pferd



● Igel



● Biene

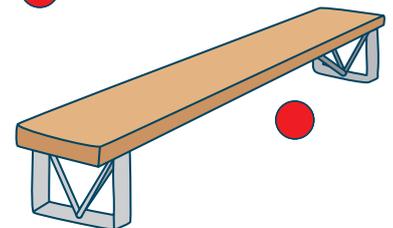
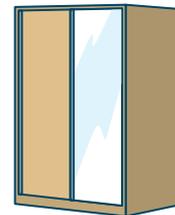
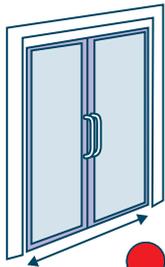


● Hamster



● Strauß

2 Male an: länger als 1 m ● kürzer als 1 m ●



$$5 \text{ m} - 3 \text{ m} = \underline{2} \text{ m}$$



$$5 \text{ m} - 1 \text{ m} = \underline{4} \text{ m}$$

4

$$6 \text{ m} + 4 \text{ m} = \underline{10} \text{ m}$$

$$3 \text{ m} + 6 \text{ m} = \underline{9} \text{ m}$$

$$18 \text{ m} - 3 \text{ m} = \underline{15} \text{ m}$$

$$20 \text{ m} - 8 \text{ m} = \underline{12} \text{ m}$$

Lange Aufgaben - kurze Aufgaben

1  $10 + 4 + 2$ $4 + 2 = 6$ $13 + 3 + 3 = 13 + 6 = 19$

 $10 + 6 = 16$  $12 + 4 + 4 = 12 + 8 = 20$

$12 + 3 + 4$ $16 + 1 + 1 = 16 + 2 = 18$

$12 + 7 = 19$ $14 + 2 + 2 = 14 + 4 = 18$

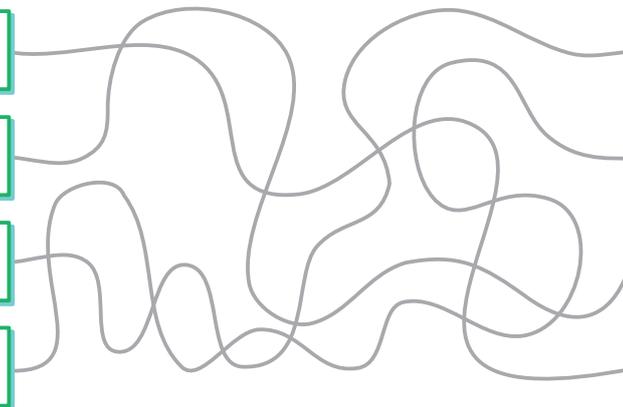
$10 + 5 + 5 = 10 + 10 = 20$

2 $11 + 3 + 5 =$ $13 + 7 = 20$

$12 + 4 + 3 =$ $14 + 5 = 19$

$13 + 1 + 6 =$ $12 + 7 = 19$

$14 + 4 + 1 =$ $11 + 8 = 19$



3   $18 - 2 - 3$ $18 \xrightarrow{-2} 16 \xrightarrow{-3} 13$ -5 13 $Zuerst - 2, dann - 3!$
 $Im Ganzen 5 weg!$ 

$16 \xrightarrow{-2} 14 \xrightarrow{-1} 13$
 -3

$17 \xrightarrow{-2} 15 \xrightarrow{-4} 11$
 -6

$19 \xrightarrow{-4} 15 \xrightarrow{-3} 12$
 -7

$20 \xrightarrow{-5} 15 \xrightarrow{-2} 13$
 -7

$18 \xrightarrow{-3} 15 \xrightarrow{-3} 12$
 -6

$20 \xrightarrow{-6} 14 \xrightarrow{-3} 11$
 -9

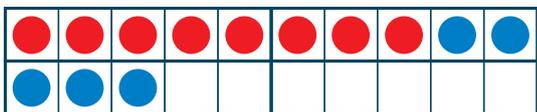
Zum Zehner und darüber

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

2 Geschickt rechnen

 $5 + 5 + 3 = \underline{13}$ $9 + 1 + 6 = \underline{16}$ $2 + 4 + 8 = \underline{14}$
 $6 + 2 + 4 = \underline{12}$ $3 + 1 + 7 = \underline{11}$ $4 + 9 + 6 = \underline{19}$

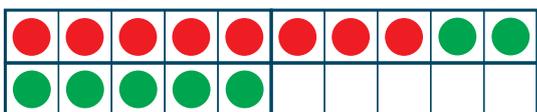
3 Kurze Aufgaben - lange Aufgaben



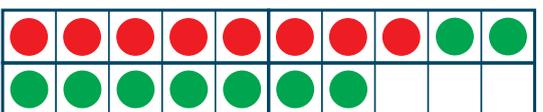
$8 + ? = 10$
 $5 = 2 + 3$



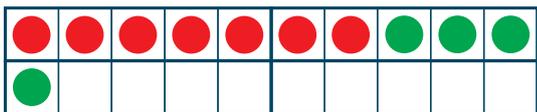
$8 + 5 = 8 + 2 + 3 = \underline{13}$



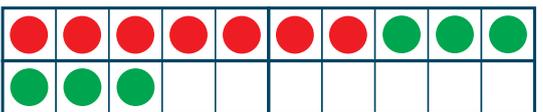
$8 + 7 = 8 + 2 + 5 = \underline{15}$



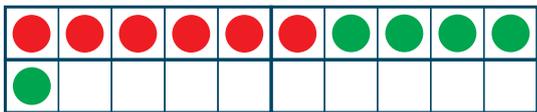
$8 + 9 = 8 + 2 + 7 = \underline{17}$



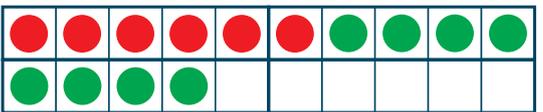
$7 + 4 = 7 + 3 + 1 = \underline{11}$



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



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



$6 + 8 = 6 + 4 + 4 = \underline{14}$

4 Lege am Zwanzigerfeld, schreibe und rechne.



$7 + 8 = 7 + 3 + 5 =$



$7 + 8$ $9 + 3$ $8 + 8$ $4 + 9$
 $7 + 5$ $9 + 7$ $7 + 7$ $5 + 9$
 $7 + 9$ $9 + 5$ $6 + 6$ $3 + 9$

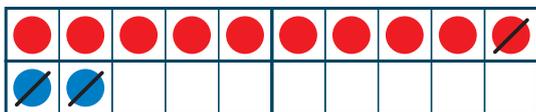
Zum Zehner und darunter

1 $16 - \underline{6} = 10$ $15 - \underline{5} = 10$ $11 - \underline{1} = 10$
 $19 - \underline{9} = 10$ $13 - \underline{3} = 10$ $18 - \underline{8} = 10$
 $12 - \underline{2} = 10$ $17 - \underline{7} = 10$ $14 - \underline{4} = 10$

 2 Geschickt rechnen

 $15 - 5 - 3 = \underline{7}$ $17 - 7 - 5 = \underline{5}$ $12 - 4 - 2 = \underline{6}$
 $13 - 4 - 3 = \underline{6}$ $18 - 1 - 8 = \underline{9}$ $11 - 6 - 1 = \underline{4}$

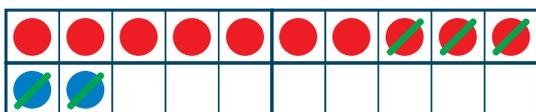
3 Kurze Aufgaben - lange Aufgaben



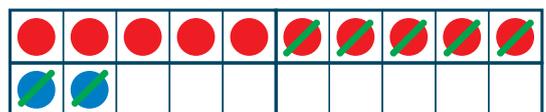
$12 - ? = 10$
 $3 = 2 + 1$



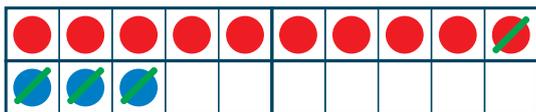
$12 - 3 = 12 - 2 - 1 = \underline{9}$



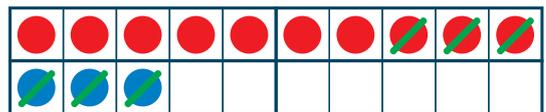
$12 - 5 = 12 - 2 - 3 = \underline{7}$



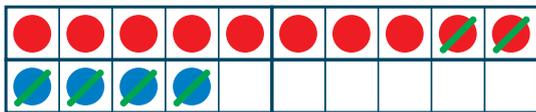
$12 - 7 = 12 - 2 - 5 = \underline{5}$



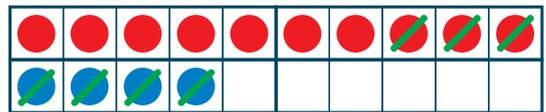
$13 - 4 = 13 - 3 - 1 = \underline{9}$



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



$14 - 6 = 14 - 4 - 2 = \underline{8}$



$14 - 7 = 14 - 4 - 3 = \underline{7}$

4 Lege am Zwanzigerfeld, schreibe und rechne.



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



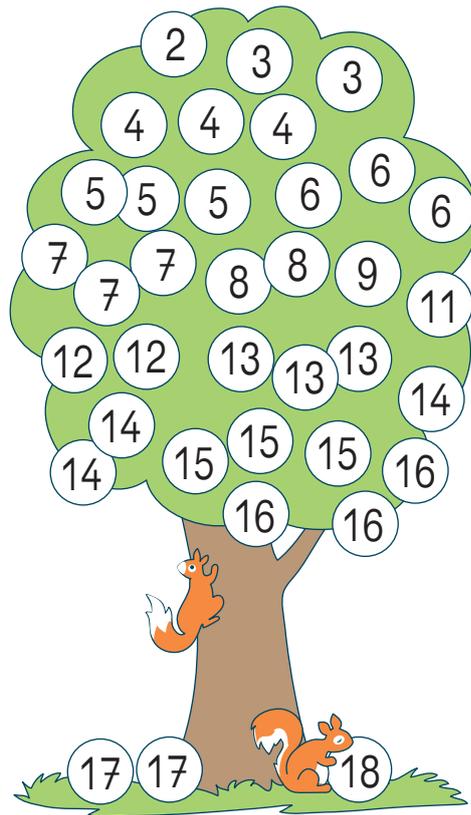
$11 - 4$ $13 - 7$ $14 - 8$
 $11 - 6$ $13 - 5$ $16 - 8$
 $11 - 3$ $13 - 8$ $15 - 8$

Über und unter den Zehner



1

+	7	8	9
5	12	13	14
7	14	15	16
9	16	17	18



+	7	8	9
4	11	12	13
6	13	14	15
8	15	16	17

2

-	7	8	9
12	5	4	3
14	7	6	5
16	9	8	7

-	7	8	9
11	4	3	2
13	6	5	4
15	8	7	6

3

+7 →

7	14
6	13
5	12
4	11

-7 →

13	6
14	7
15	8
16	9

+9 →

6	15
5	14
4	13
3	12

-9 →

15	6
16	7
17	8
18	9

4 Setze richtig ein.

14	16
$6 + 8 = 14$	
$9 + 7 = 16$	



12	15
$12 - 7 = 5$	
$15 - 6 = 9$	

Über und unter den Zehner



1

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

$$8 + 4 - 5 = \underline{7}$$

$$7 + 5 - 6 = \underline{6}$$

$$6 + 6 - 7 = \underline{5}$$

$$5 + 7 - 8 = \underline{4}$$

$$15 - 6 + 2 = \underline{11}$$

$$16 - 7 + 3 = \underline{12}$$

$$17 - 8 + 4 = \underline{13}$$

$$18 - 9 + 5 = \underline{14}$$

$$8 + 3 - 7 = \underline{4}$$

4		
t		
5	6	7
r	o	p
8	11	12
S	m	a
13	14	15
c	h	B

$$7 + 7 - 6 = \underline{8}$$

$$8 + 8 - 9 = \underline{7}$$

$$13 - 5 + 4 = \underline{12}$$

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

S p o r t

m a c h t

S p a ß !

2

8 + 4 = 12 - 5 = 7 + 6 = 13 - 7 = 6 + 8 = 14

13 - 4 = 9 + 5 = 14 - 6 = 8 + 7 = 15 - 8 = 7

3

+ 7 →		- 8 →		+ 6 →		- 9 →	
9	16	13	5	9	15	18	9
5	12	15	7	7	13	11	2
8	15	11	3	5	11	14	5
6	13	14	6	8	14	12	3

Über und unter den Zehner



1

😊 Das kann ich schon gut.

😞 Ich bin noch unsicher.

2

😊 Das kann ich schon gut.

😞 Ich bin noch unsicher.

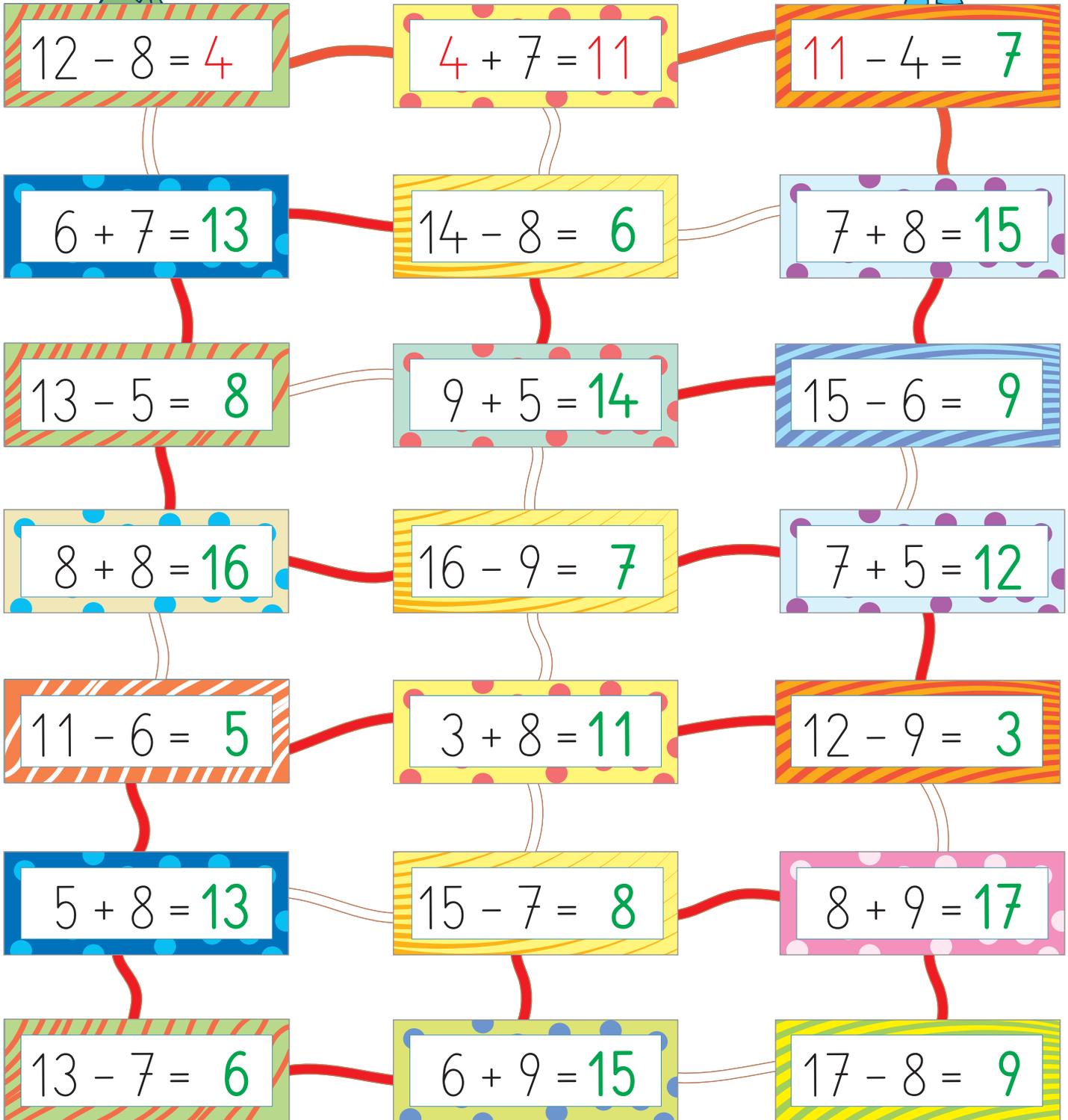
Über und unter den Zehner



Was hat Mila zum Geburtstag bekommen?



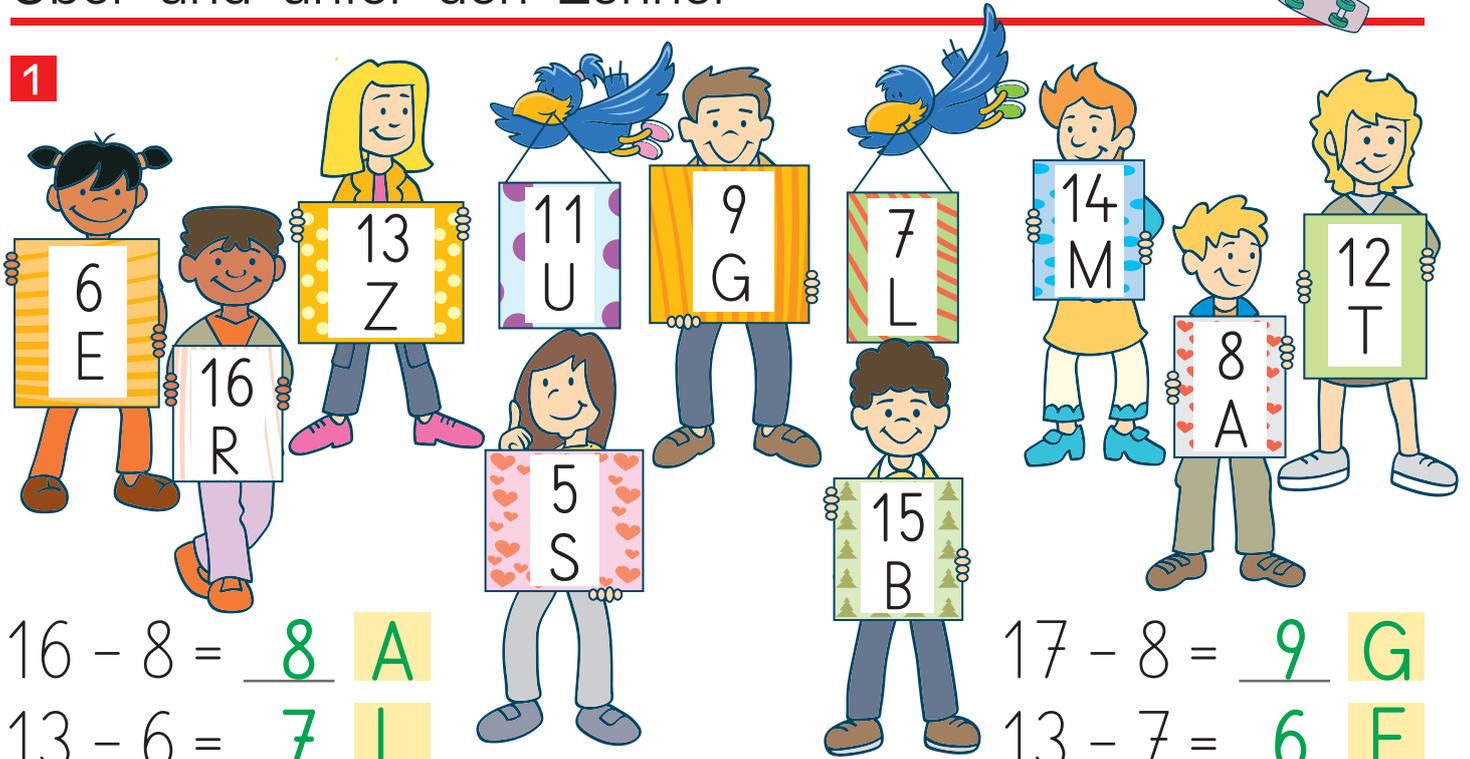
Die nächste Rechnung beginnt mit der Ergebniszahl.



Über und unter den Zehner



1



$$16 - 8 = \underline{8} \text{ A}$$

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

$$11 - 4 = \underline{7} \text{ L}$$

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

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

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

$$8 + 3 = \underline{11} \text{ U}$$

$$4 + 8 = \underline{12} \text{ T}$$

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

$$4 + 9 = \underline{13} \text{ Z}$$

$$2 + 9 = \underline{11} \text{ U}$$

$$5 + 9 = \underline{14} \text{ M}$$

A L L E S

G U T E

Z U M

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

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

$$7 + 8 = \underline{15} \text{ B}$$

$$4 + 7 = \underline{11} \text{ U}$$

$$7 + 9 = \underline{16} \text{ R}$$

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

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

$$7 + 5 = \underline{12} \text{ T}$$

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

$$16 - 7 = \underline{9} \text{ G}$$

G E B U R T S T A G

2 Mit welchen 3 aufeinanderfolgenden Zahlen erhältst du 18 als Ergebnis? Mit welchen 4 aufeinanderfolgenden Zahlen?



$$5 + 6 + 7 = 18$$

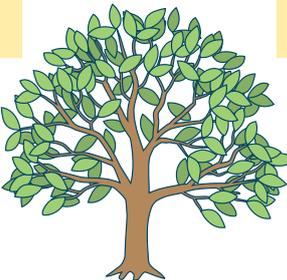
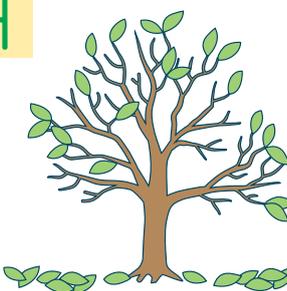
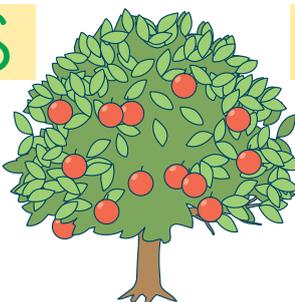
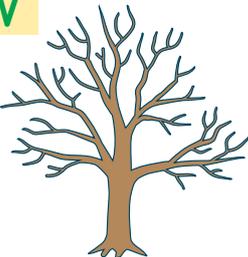
$$3 + 4 + 5 + 6 = 18$$



Die Zeit

1 F Frühling S Sommer H Herbst W Winter

Ordne die Jahreszeiten zu.

F  H  S  W 

2 Die Woche hat 7 Tage. Jeder Tag hat ein Datum.

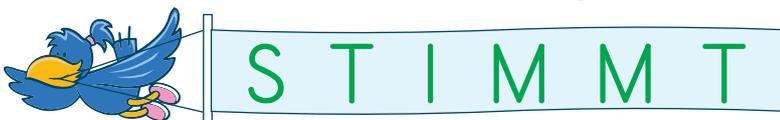
Montag 11. April	Dienstag 12. April	Mittwoch 13. April	Donnerstag 14. April	Freitag 15. April	Samstag 16. April	Sonntag 17. April
-------------------------------	---------------------------------	---------------------------------	-----------------------------------	--------------------------------	--------------------------------	--------------------------------

3 Welches Datum war jeweils in der Woche davor?

Montag 4. April	Dienstag 5. April	Mittwoch 6. April	Donnerstag 7. April	Freitag 8. April	Samstag 9. April	Sonntag 10. April
------------------------------	--------------------------------	--------------------------------	----------------------------------	-------------------------------	-------------------------------	--------------------------------

4 Ordne die Kalenderblätter.

Montag 18. April	Donnerstag 7. April	Freitag 1. April	Mittwoch 20. April	Montag 4. April	Sonntag 10. April
M	I	S	T	T	M



5 vorgestern gestern HEUTE morgen übermorgen

Die Zeit

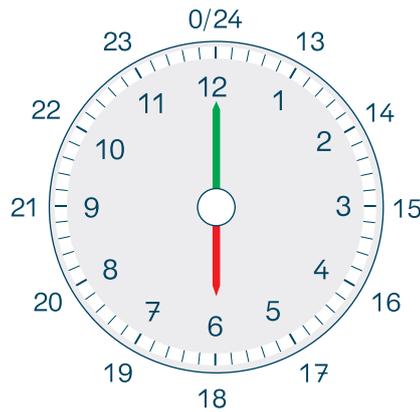
1



Der **Stundenzeiger** steht auf 6, der **Minutenzeiger** auf 12!



6 Uhr früh



6 Uhr abends

Was tust du um 6 Uhr früh?

Was machst du meistens um 6 Uhr abends?

2 Wie spät ist es? Trage beide Uhrzeiten ein.



1 Uhr
13 Uhr



4 Uhr
16 Uhr



7 Uhr
19 Uhr

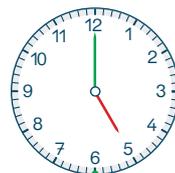
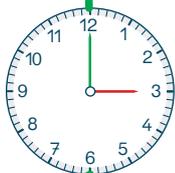
3 Verbinde.

6 Uhr

3 Uhr

8 Uhr

5 Uhr



15.00

18.00

17.00

20.00

4 Trage die **Stundenzeiger** rot, die **Minutenzeiger** grün ein.



02.00



09.00

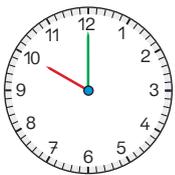
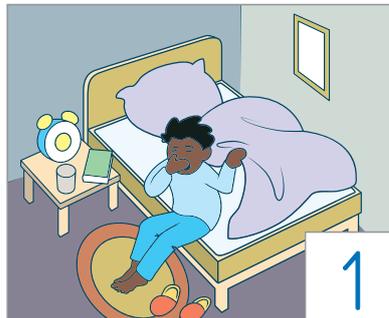


11.00

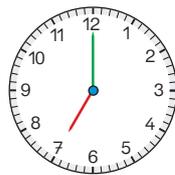
Die Zeit

1 Wie spät ist es?

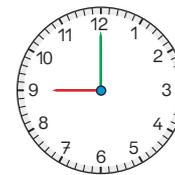
Nummeriere die Bilder in der richtigen Reihenfolge.



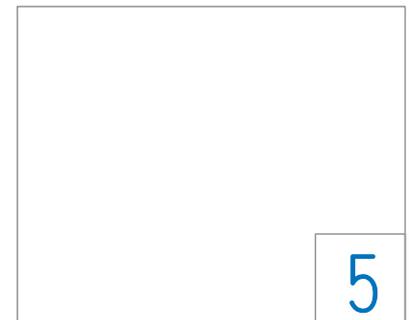
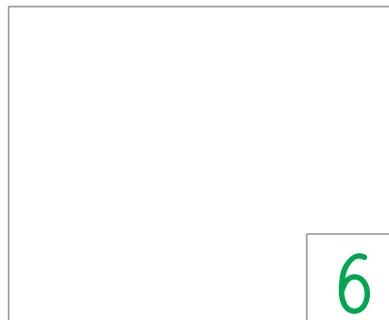
10 Uhr



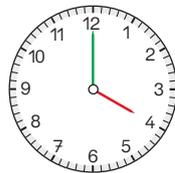
7 Uhr



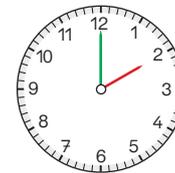
9 Uhr



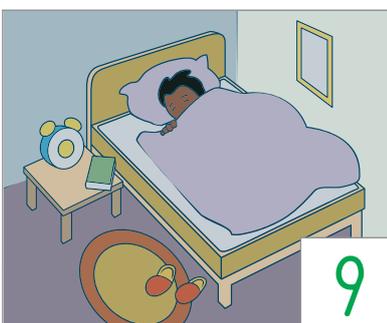
13 Uhr



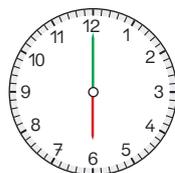
16 Uhr



14 Uhr



1 Uhr



18 Uhr

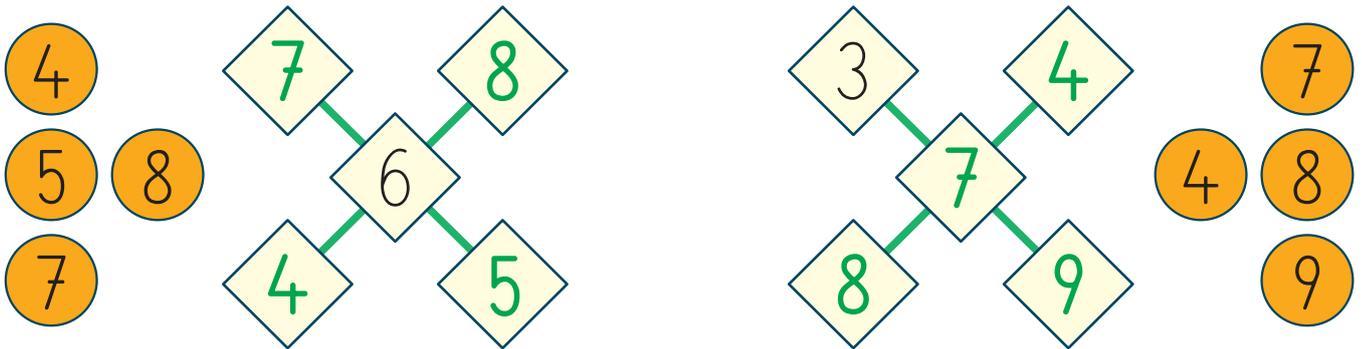


19 Uhr

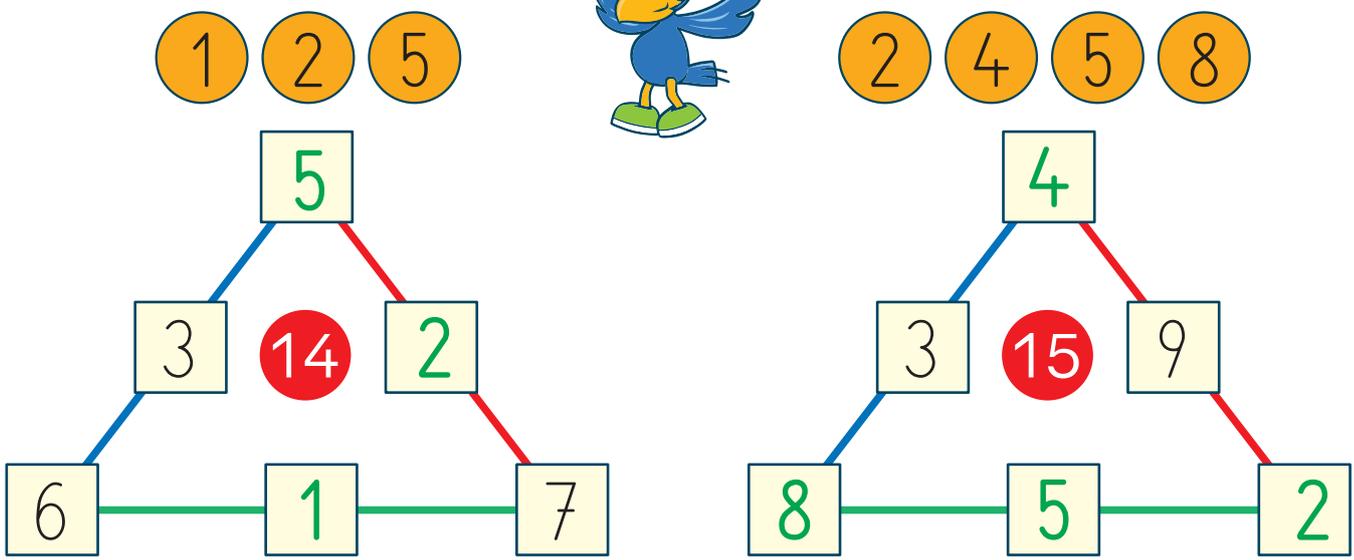
2 Erzähle von deinem Tag.



1 Setze passende Zahlen ein.



Auf jeder Linie gleich viel!



2



◆	+	◆	=	♣
◆	-	♠	=	♠
♣	+	♠	=	♥
♥	-	♠	=	♣

Setze die Zahlen 2, 4, 8 und 10 ein.
Gleiche Figuren bedeuten gleiche Zahlen.



4	+	4	=	8
4	-	2	=	2
8	+	2	=	10
10	-	2	=	8

3



Ich habe heute in meinem Buch von der 8. bis zur 15. Seite gelesen. Wie viele Seiten sind das?

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