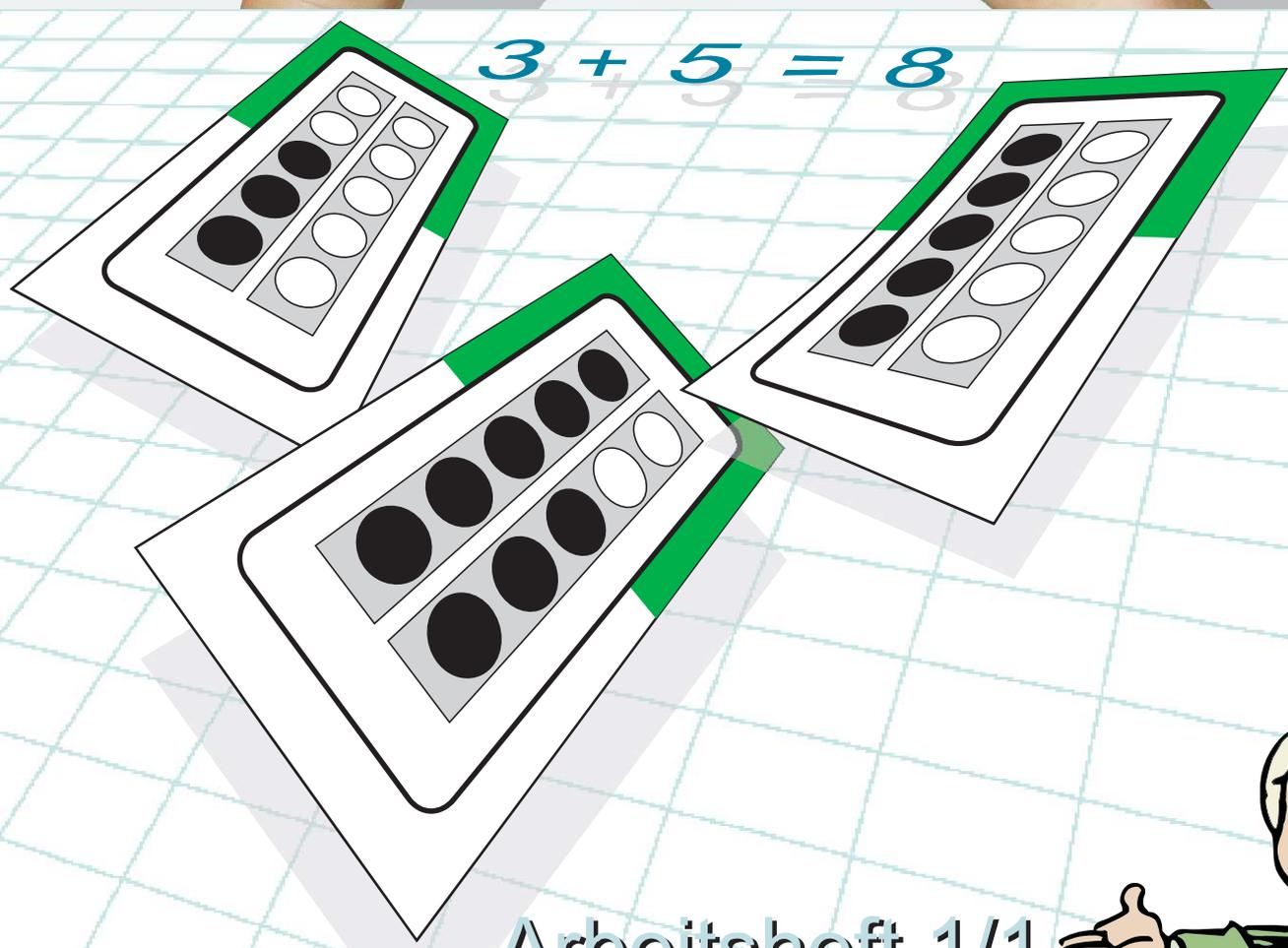


$$3 + 5 = 8$$



Arbeitsheft 1/1 Zahlenraum bis 10



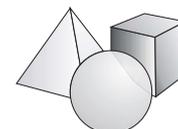
Mein Name ist

Entwicklung:

MATHEMATISCH LERNTHERAPEUTISCHES ZENTRUM
Dortmund - Bochum - Lüdenscheid



Mathematisch Lerntherapeutisches Institut
Düsseldorf



Institut für Mathematisches Lernen
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„Galerie der Kinderrechte“
Ein Projekt der Johannesschule Soest

Über dieses Arbeitsheft

Liebe LehrerInnen, liebe Eltern,

viele Schulen haben sich bei uns gemeldet und nachgefragt, ob es nicht möglich sei, für die Kinder ein Arbeitsheft für das erste Halbjahr der ersten Klasse zu entwickeln. Das vorliegende Heft ist das Ergebnis unserer Bemühungen, die auch viel Unterstützung von seiten der LehrerInnen erfahren haben.

ILSA 1 basiert auf lerntherapeutischen Erfahrungen und ist für den Anfangsunterricht an Schulen konzipiert. Reihenfolgen der Lerninhalte sind an die Abfolge der Entwicklungen mathematischer Kompetenzen vom letzten Abschnitt der vorschulischen Entwicklung bis in die Klasse 1 hinein angepasst worden. Insofern handelt es sich hier um ein innovatives Vorgehen, das dem Erfahrungsstand unserer qualitativen Lernprozessdiagnostik entspricht.



Einige Hinweise:

In der Kopfzeile finden Sie als **Lehrkraft** die jeweilige Leitziffer der Dateien und ein Ü oder LK für den Namen der Verzeichnisse/Ordner (z. B. Ü 001, LK 002 etc.). Sollten Sie für die jeweilige Leitziffer weitere Trainings benötigen, entnehmen Sie diese bitte der CD des ILSA-Materials. (Diese/r CD/Stick liegt Ihnen allen vor.)

Die Kinder in Klasse 1 erlernen gerade das Lesen. Deshalb sind Sie als **Eltern und LehrerInnen** gefragt, die Aufgabenanweisung langsam und deutlich vorzulesen und mit dem Kind das Beispiel durchzusprechen.

Und nun viel Spaß mit diesem Arbeitsheft!

Das Team der ILSA-Lernentwicklung im Juni 2019



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Ein ganz herzliches Dankeschön für die
Betreuung, Kritik und konstruktive
Mitarbeit geht an:

Daniela Keppeler
Kirsten Jares



Soest

Uta Nowok



Dorsten

Karola Gallas



Schmallenberg



Spielanleitung (2 bis 4 Mitspieler)

Sie benötigen:

1 x Spielfeld (siehe nächste Seite; evtl. als Kopie)

2 x 3 x 30

1 x Stab 150mm 10mm

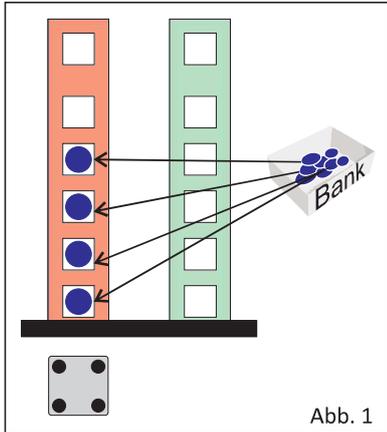


Abb. 1

Abb. 1

Jede Spielgruppe (A und B) erhält einen Würfel und eine Schachtel zum Sammeln der Chips. Nebenan wird die Bank mit den 30 Chips hingestellt. A beginnt zu würfeln und würfelt z. B. eine . Die Spielgruppe A darf sich vier Chips aus der Bank nehmen und legt sie in ihr Spielfeld.

Abb. 2

Nun würfelt die Spielgruppe B. Sie würfelt z. B. eine . Aus der Bank nehmen sie sich nun sechs Chips und legen sie in ihr Spielfeld.

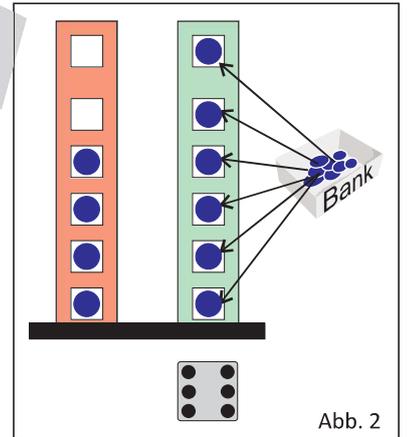


Abb. 2

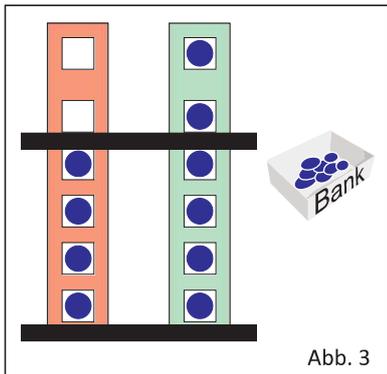


Abb. 3

Abb. 3

Der schwarze Stab wird nun genau an die Stelle gelegt, wo beide Spielgruppen noch gleich viele Chips haben. Zusammen mit dem schwarzen oberen Strich symbolisiert dies das Gleichheitszeichen.

Abb. 4

Diejenigen Chips, die eine der Spielgruppen mehr hat (im Beispiel die Spielgruppe B), kommen in ihr Kästchen hinein.

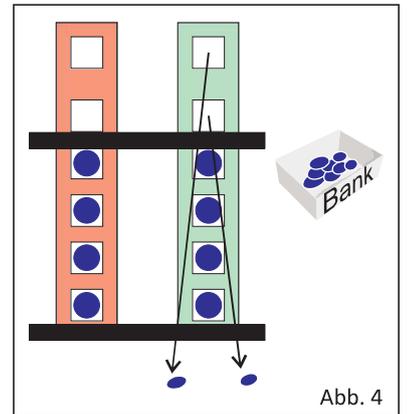


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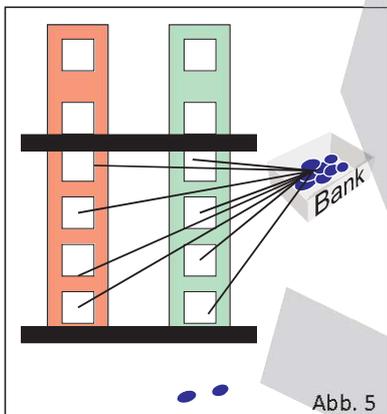


Abb. 5

Abb. 5

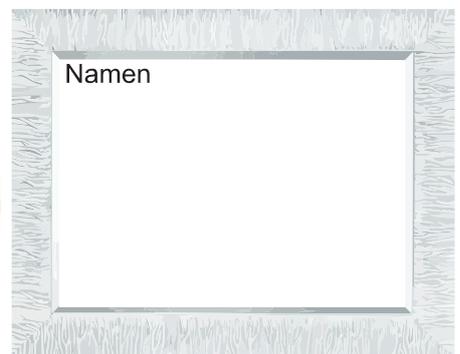
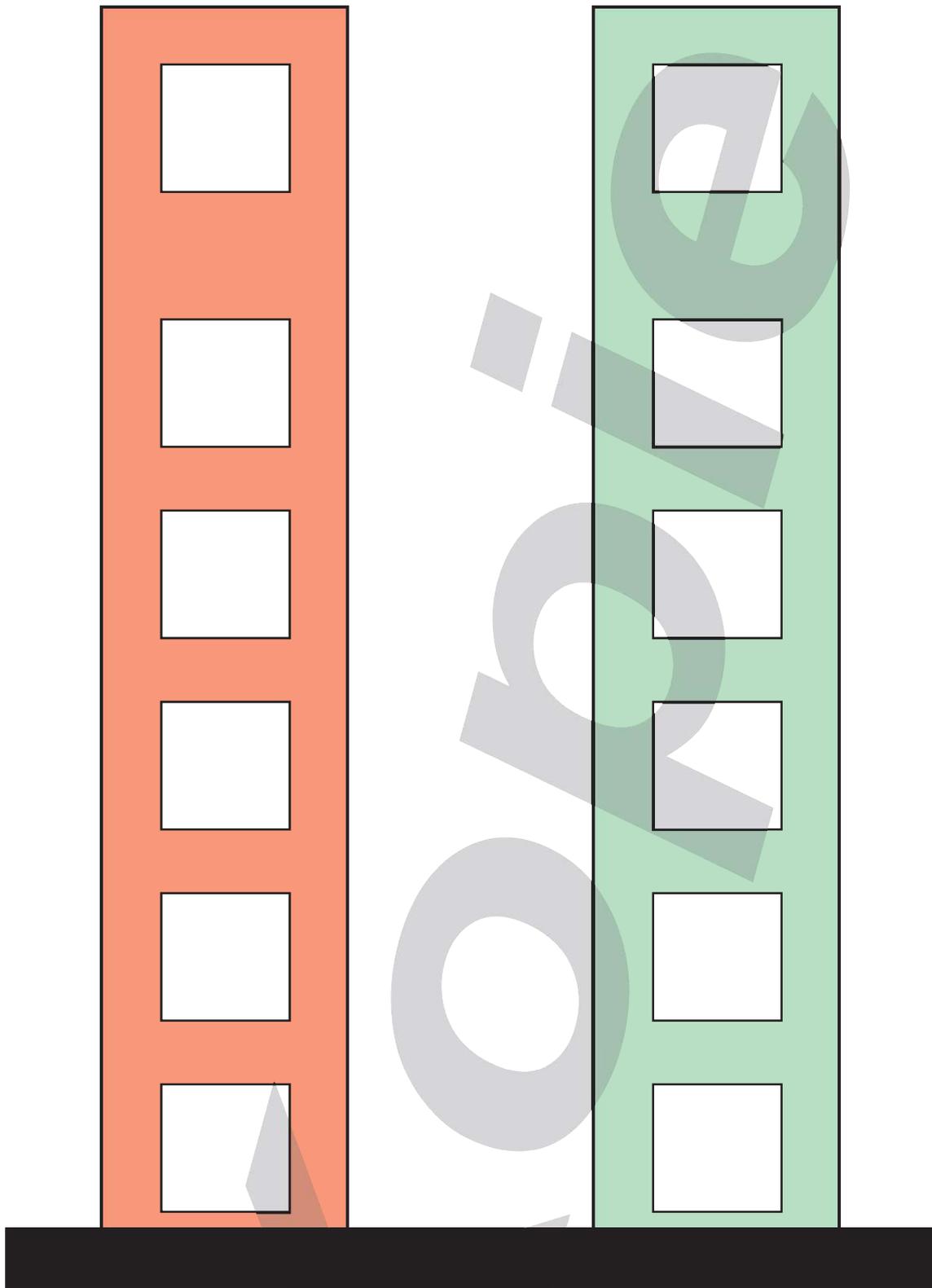
Alle anderen Chips kommen zurück in die Bank.

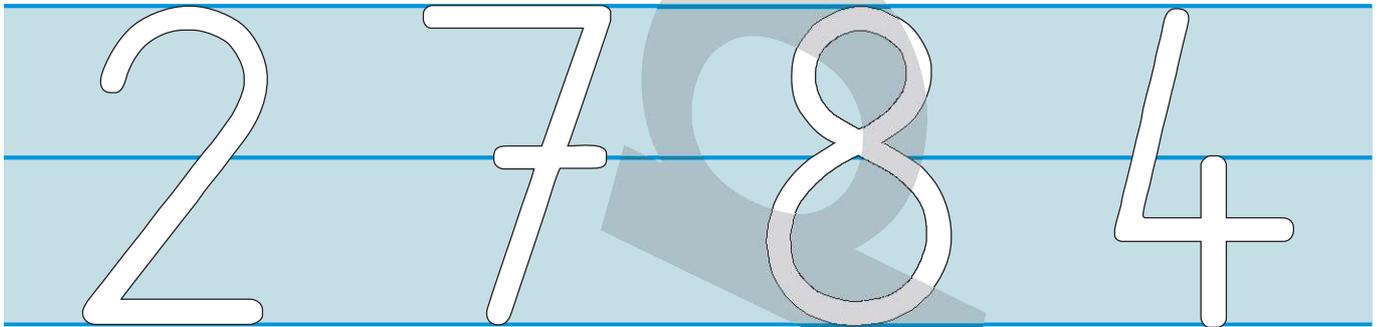
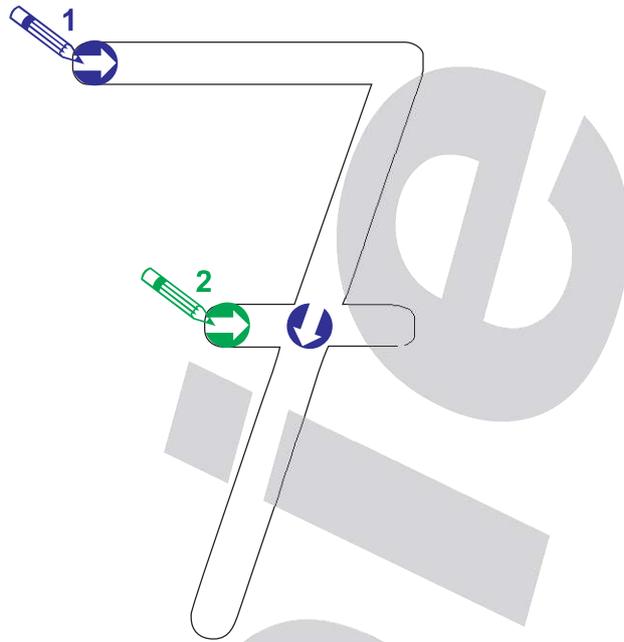
Der schwarze Stab wird zur Seite gelegt und die nächste Runde kann beginnen.

Es wird so lange gespielt, bis die Bank keine Chips mehr ausgeben kann.

Wer am Ende die meisten Chips gehamstert hat, gewinnt.



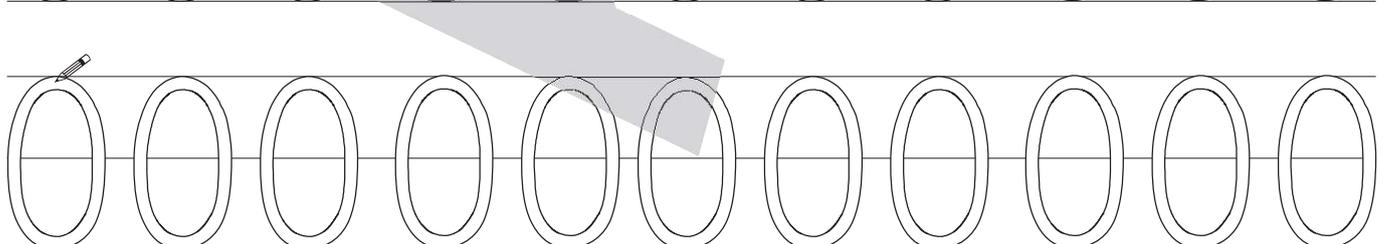
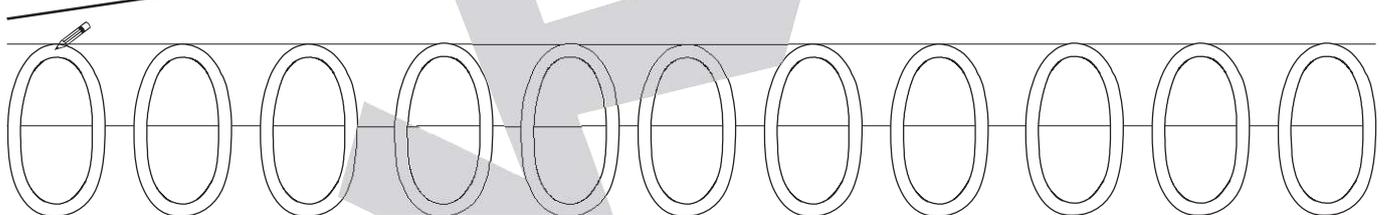
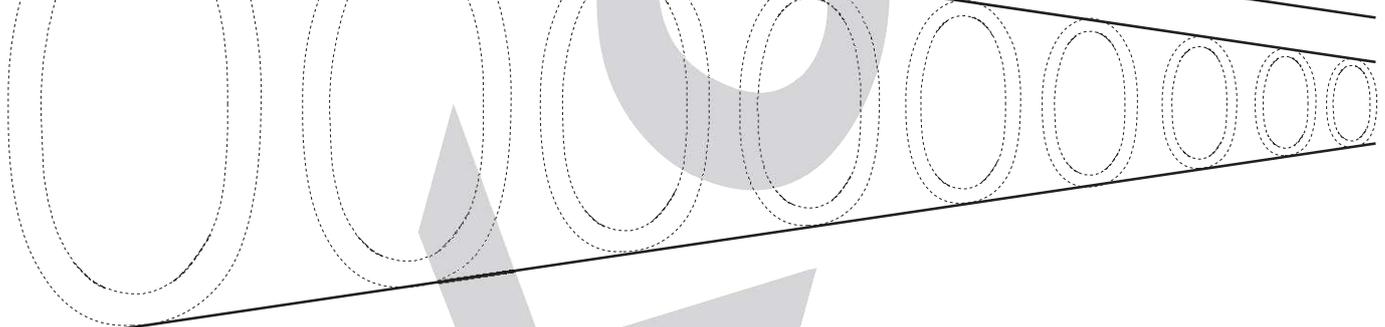
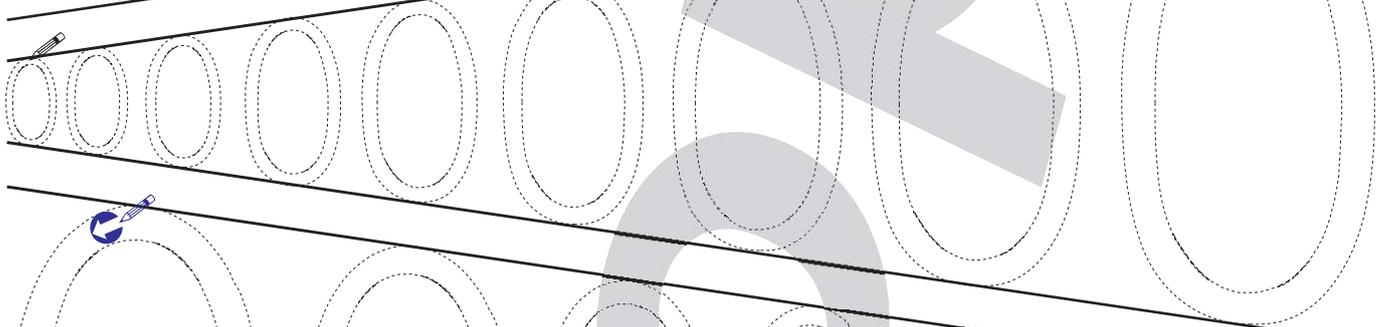
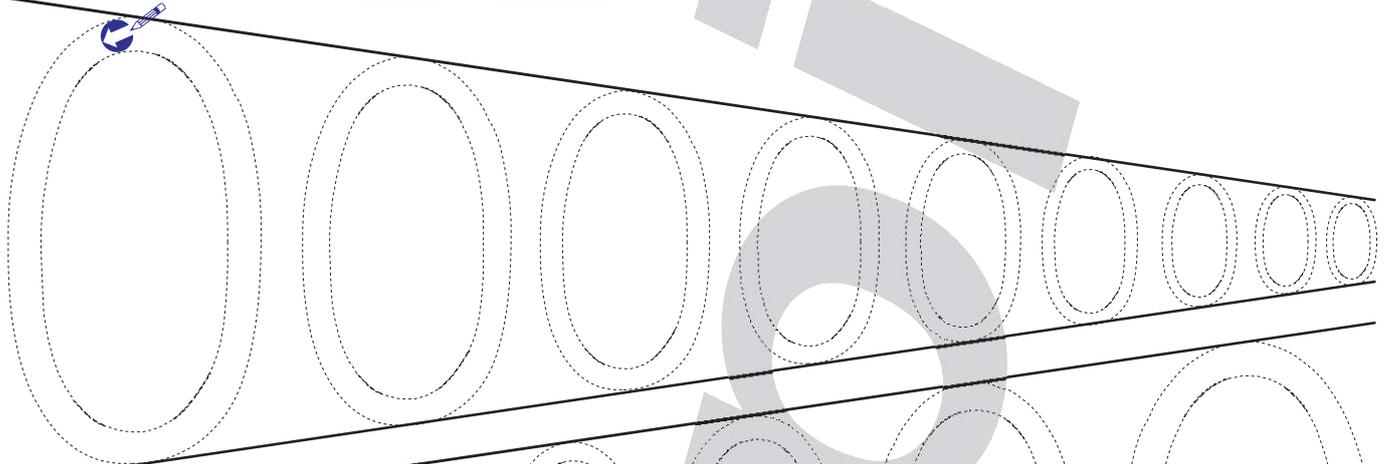
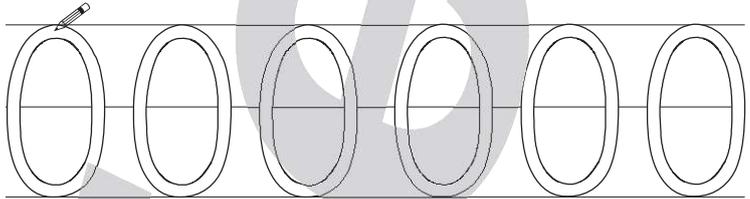
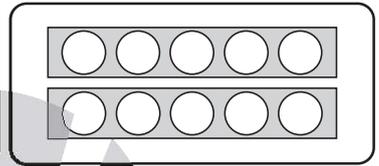
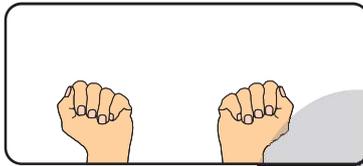
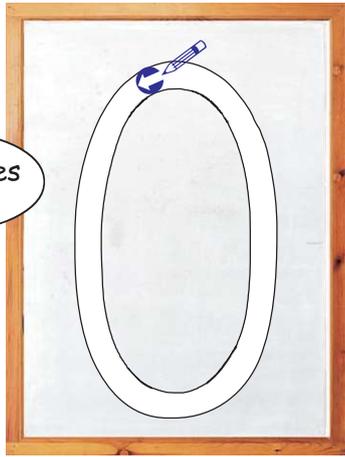


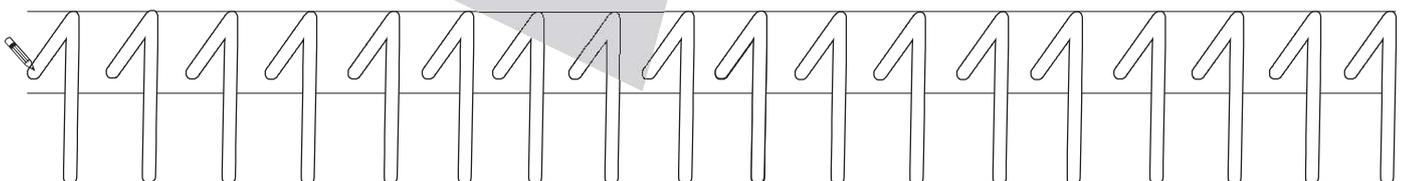
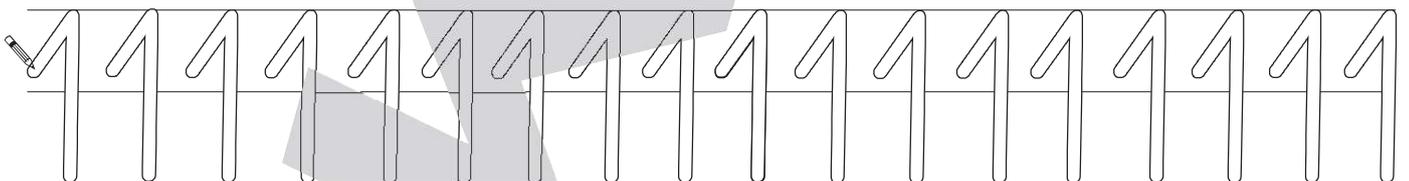
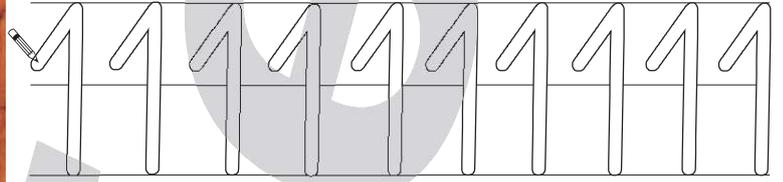
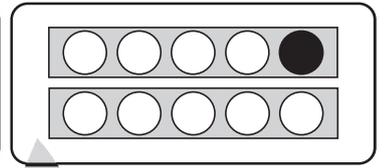
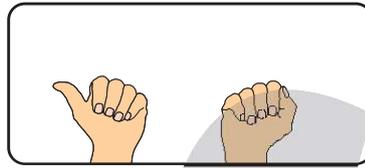
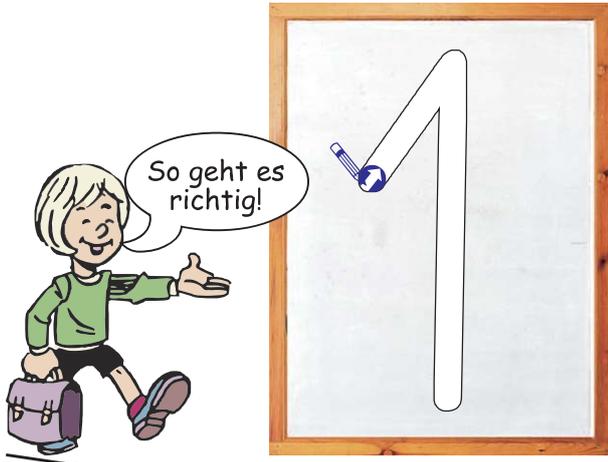


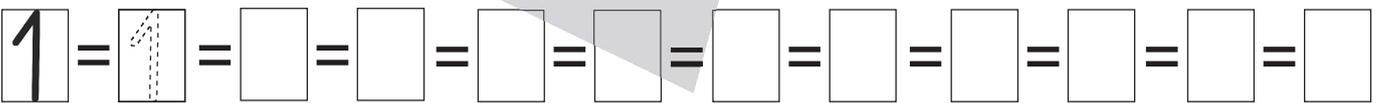
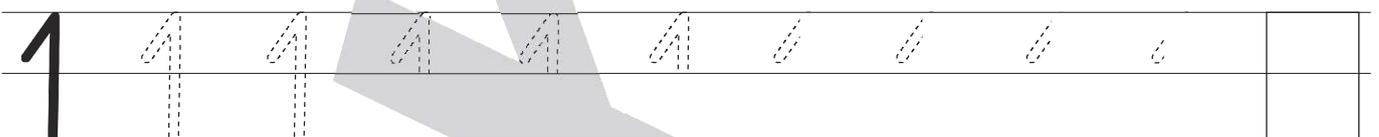
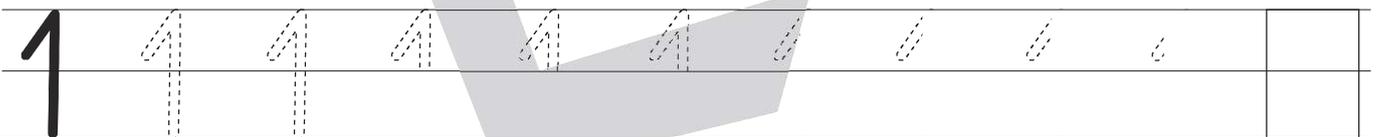
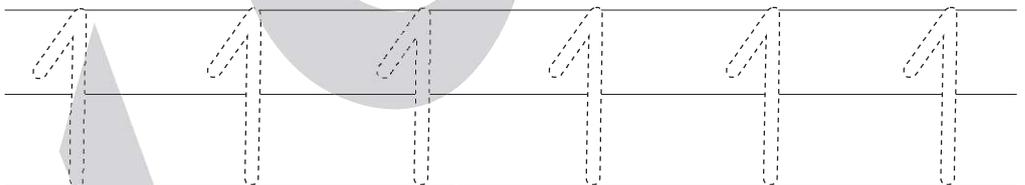
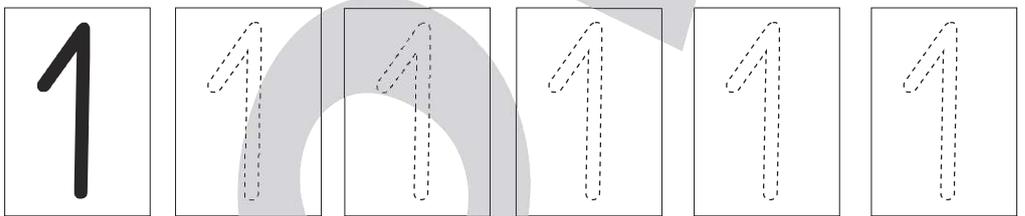
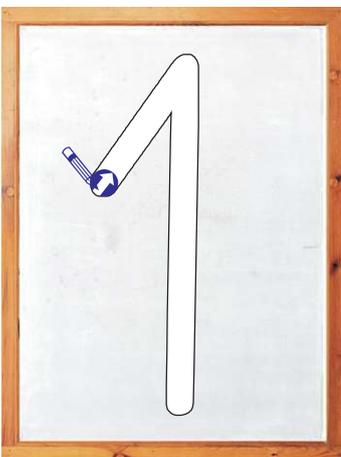
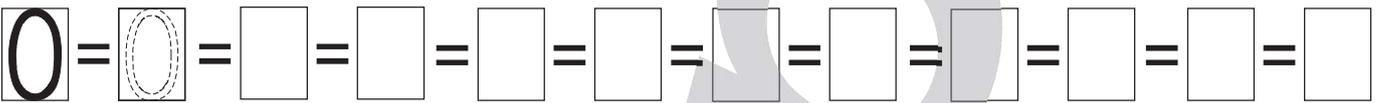
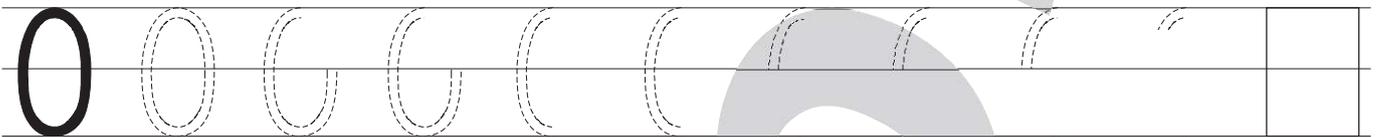
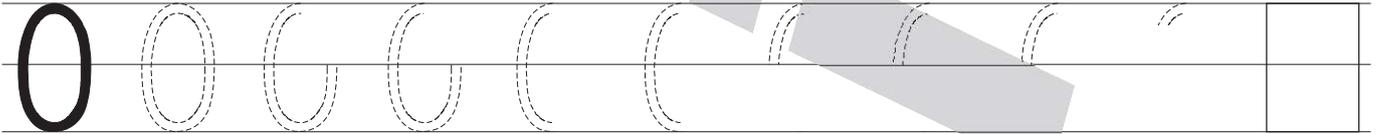
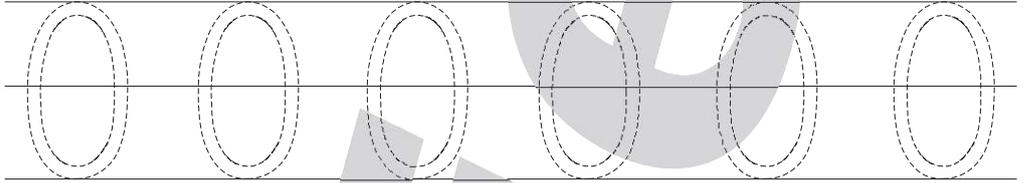
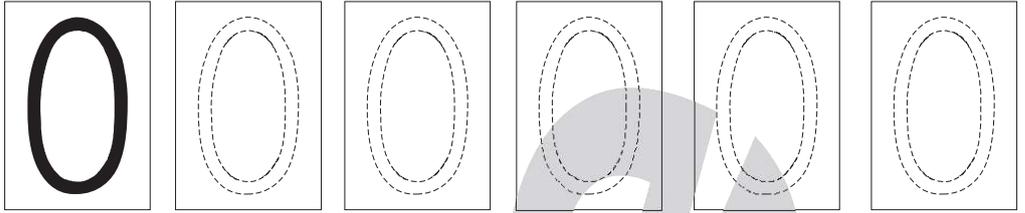
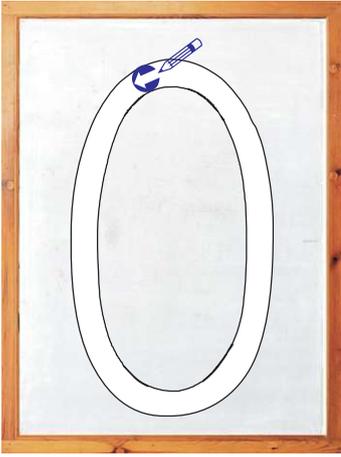
Zifferschreibkurs

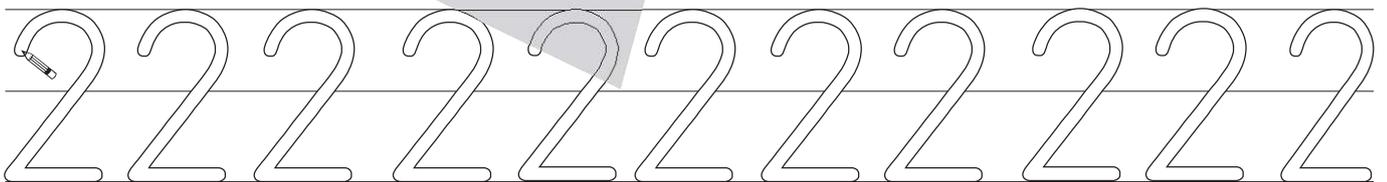
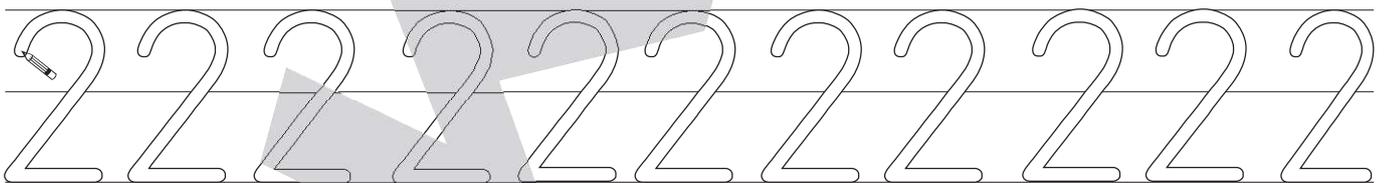
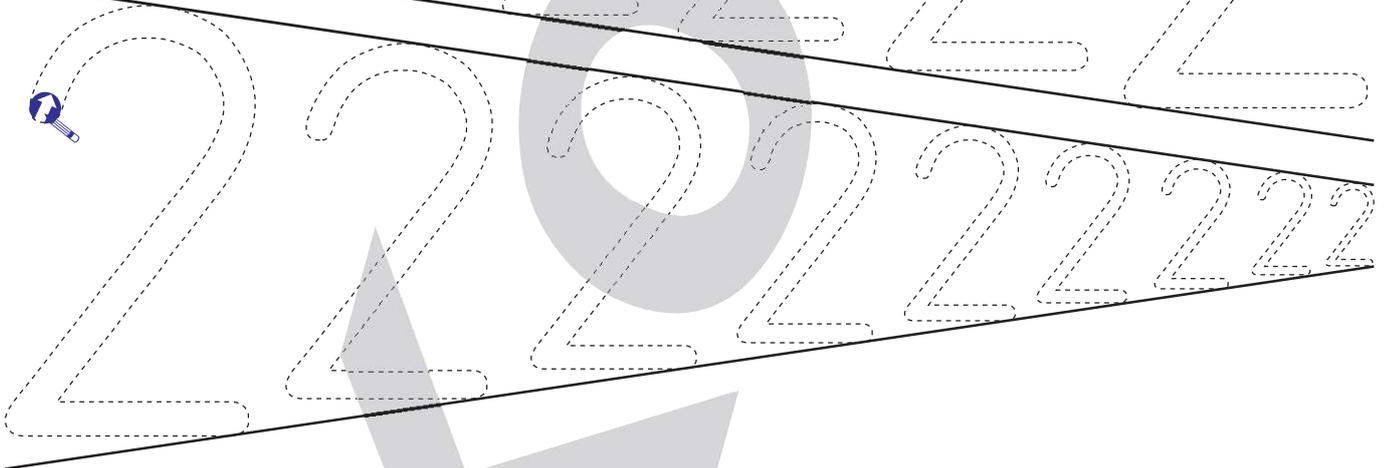
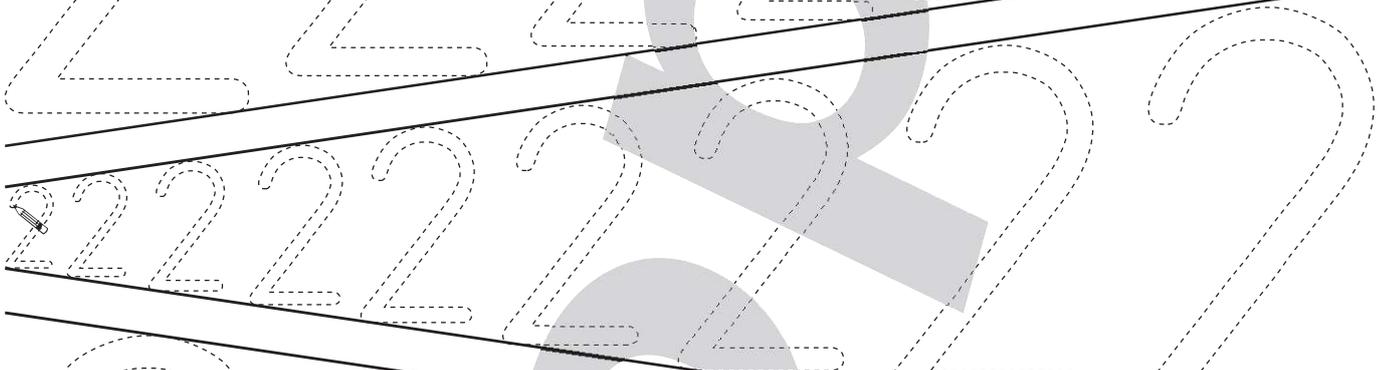
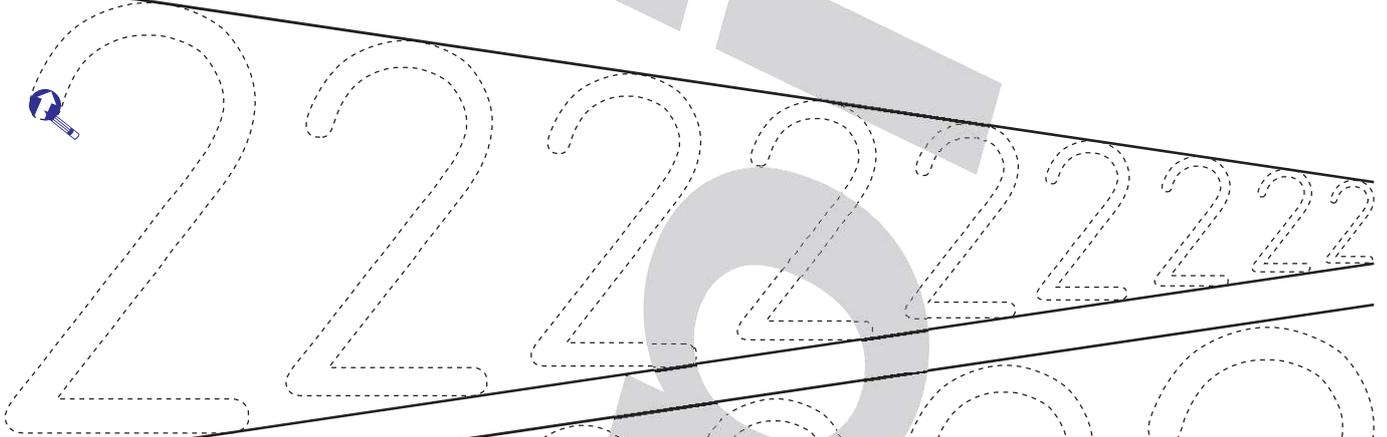
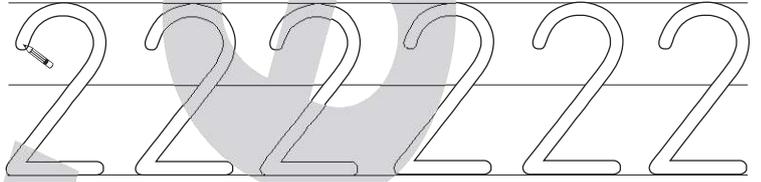
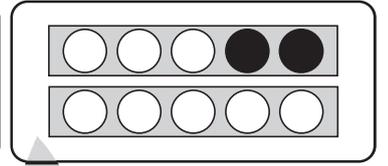
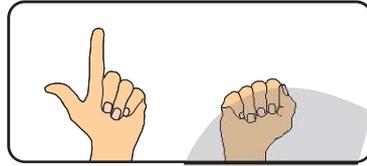


So geht es richtig!



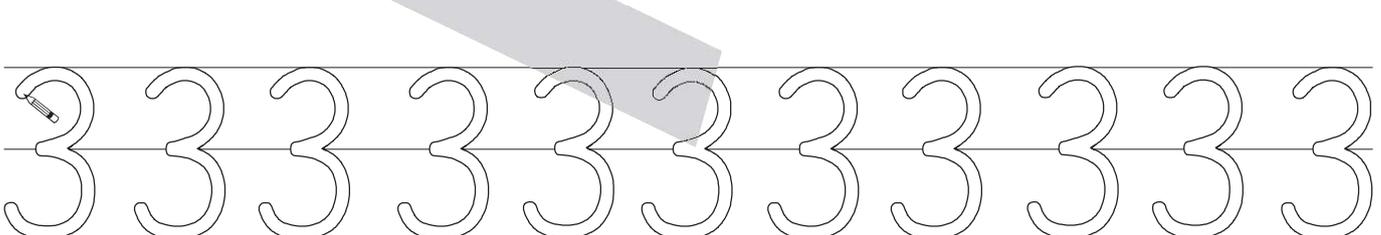
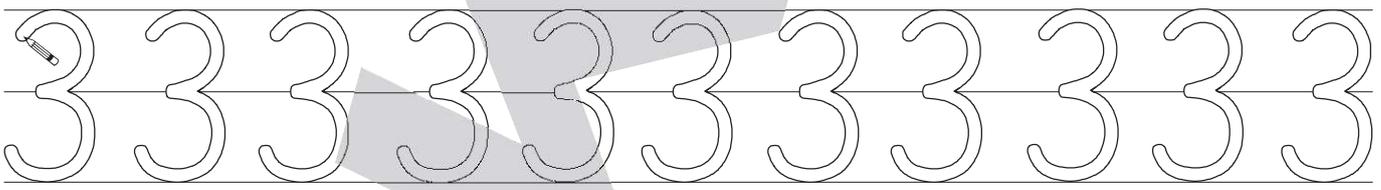
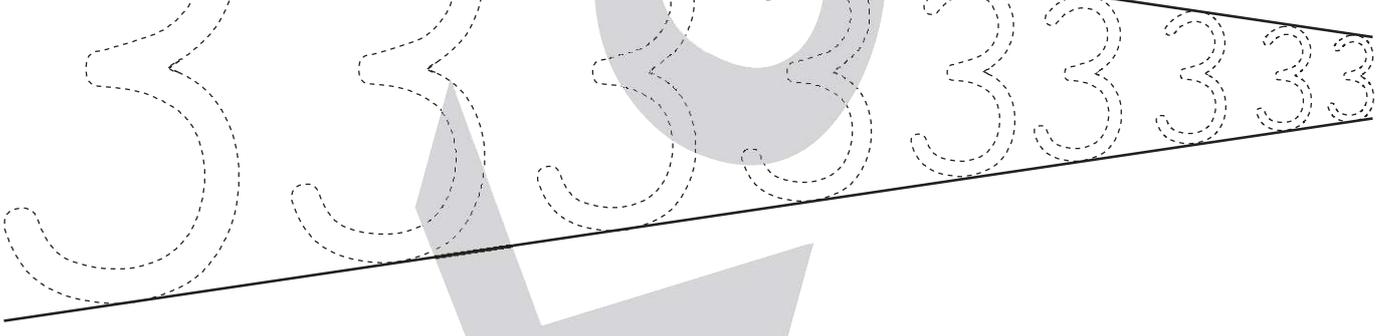
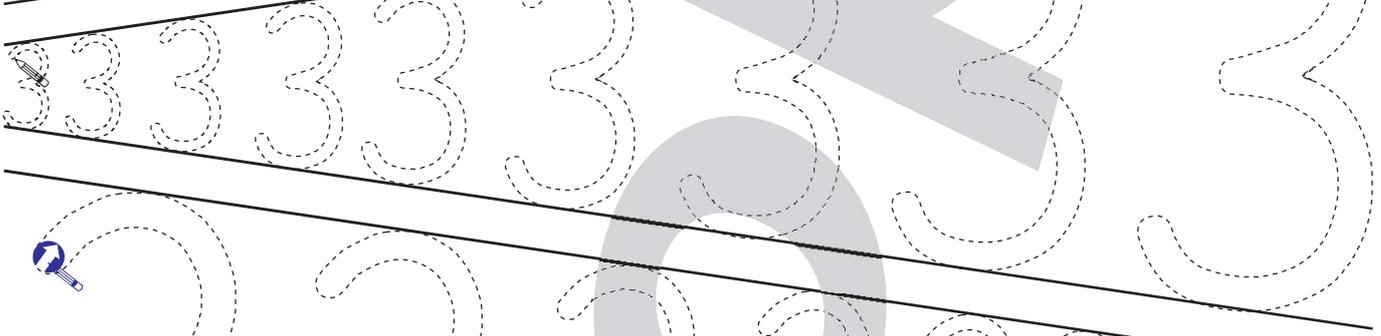
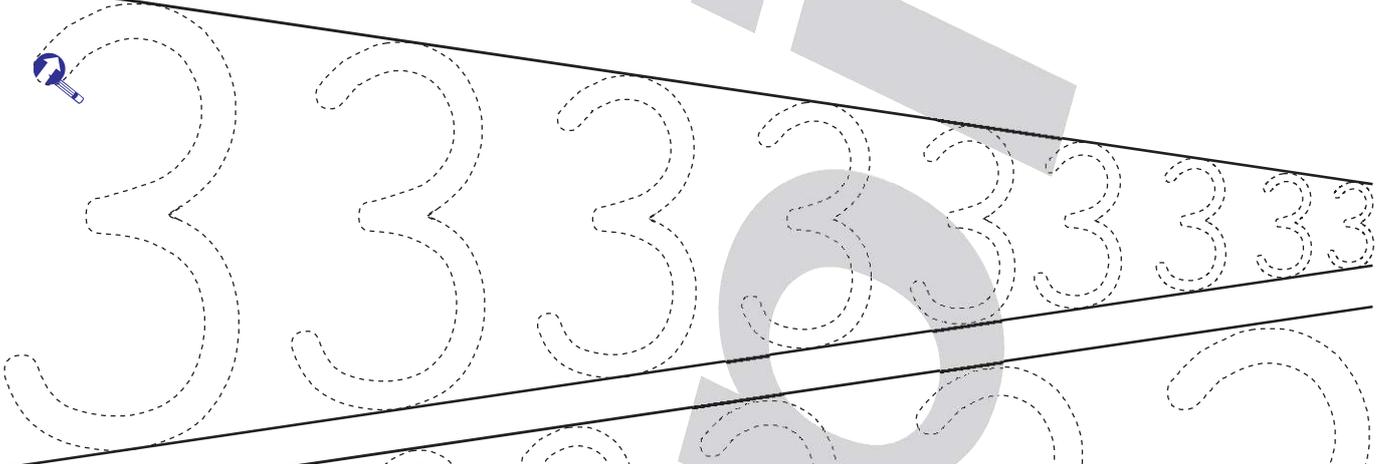
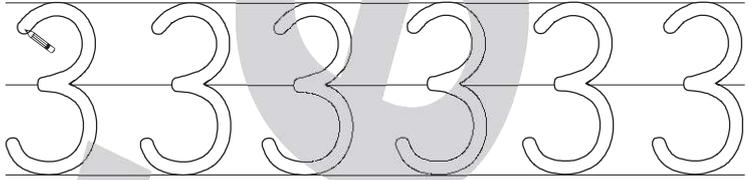
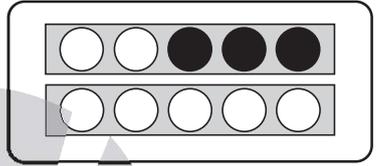
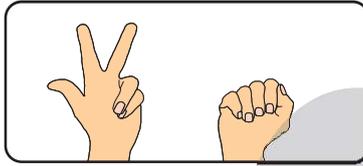
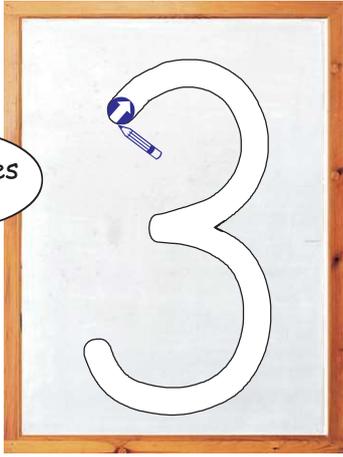


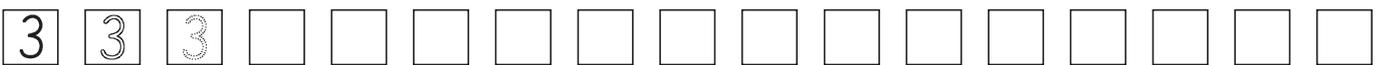
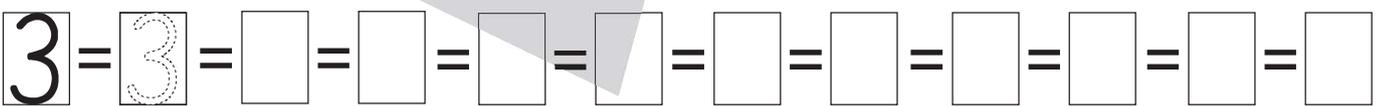
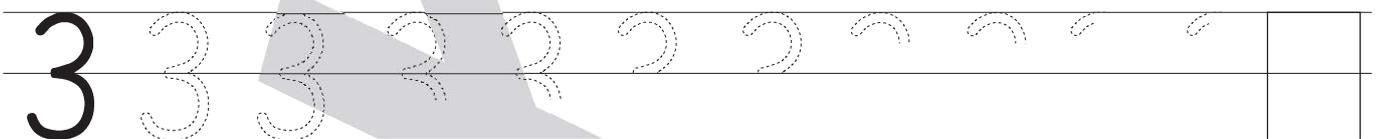
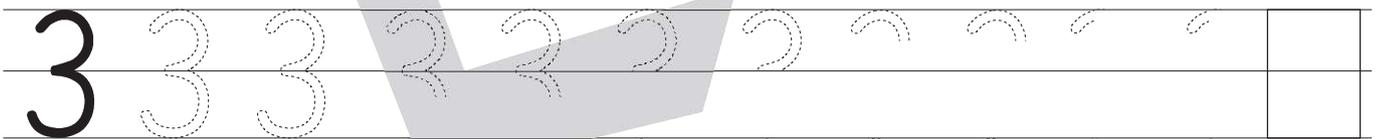
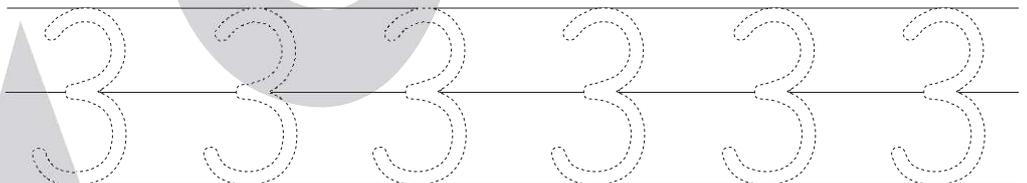
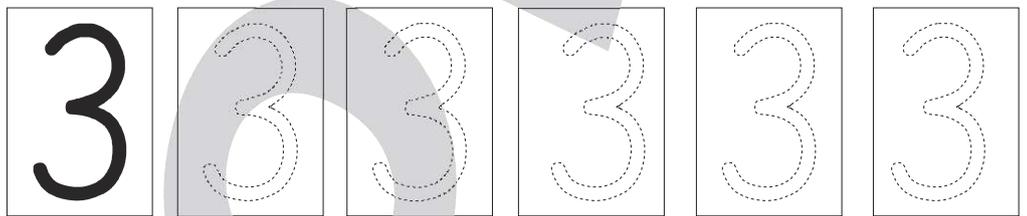
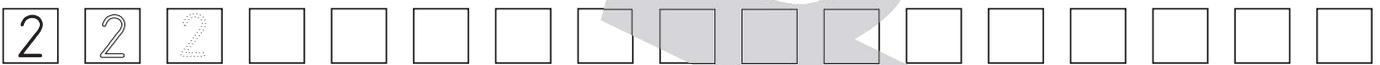
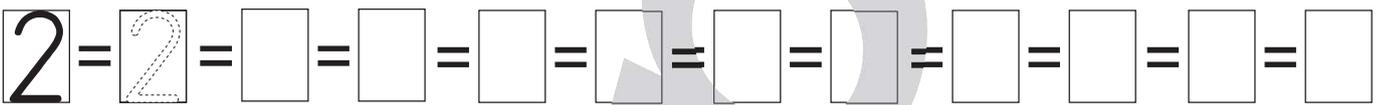
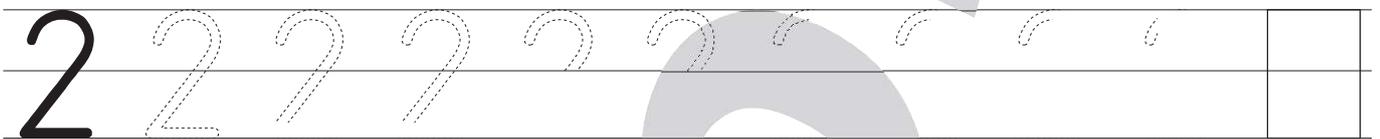
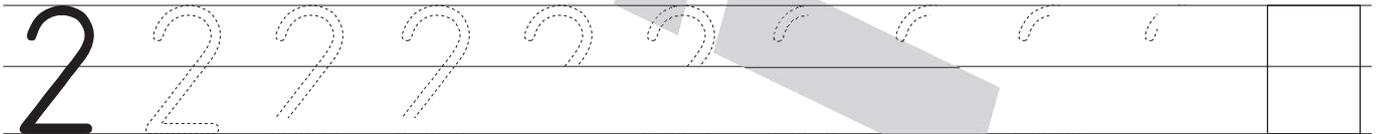
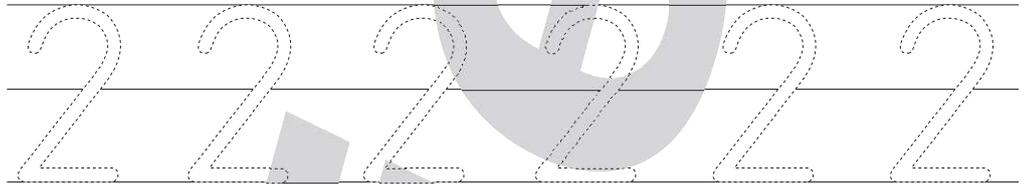
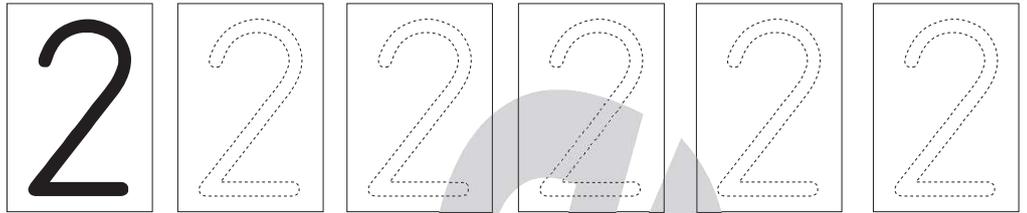
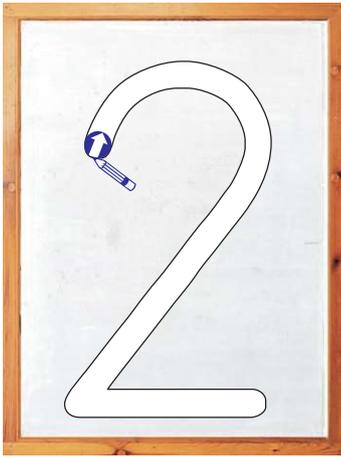


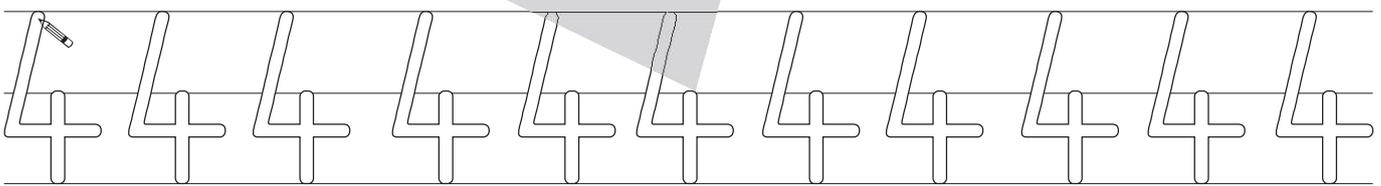
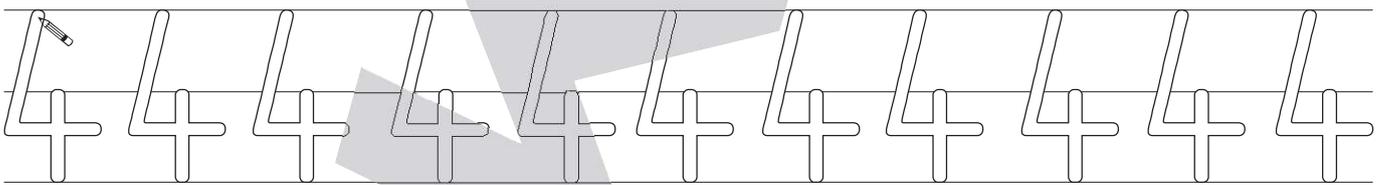
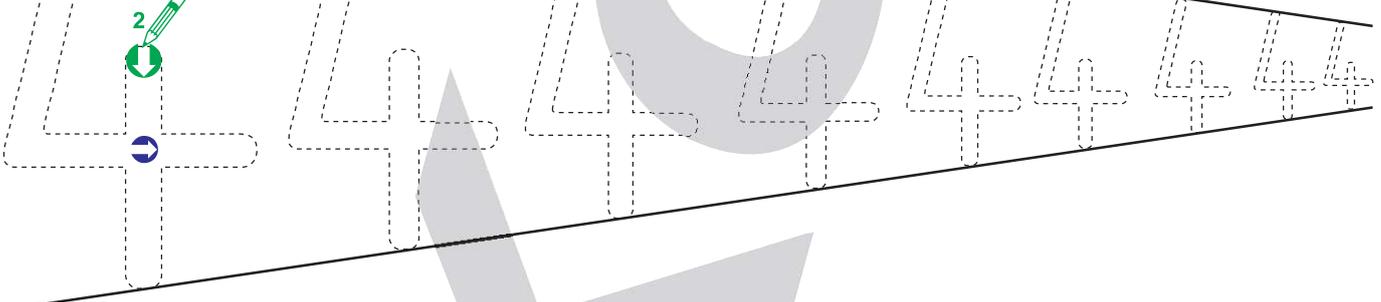
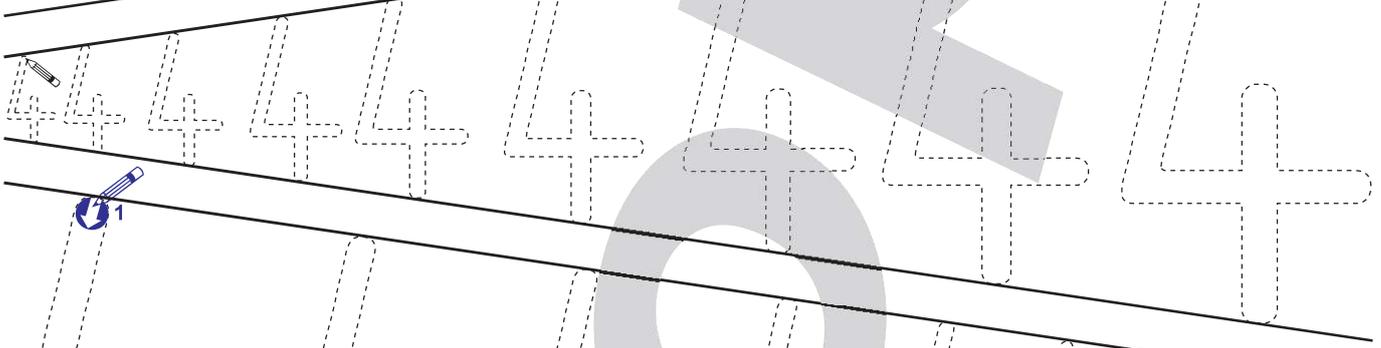
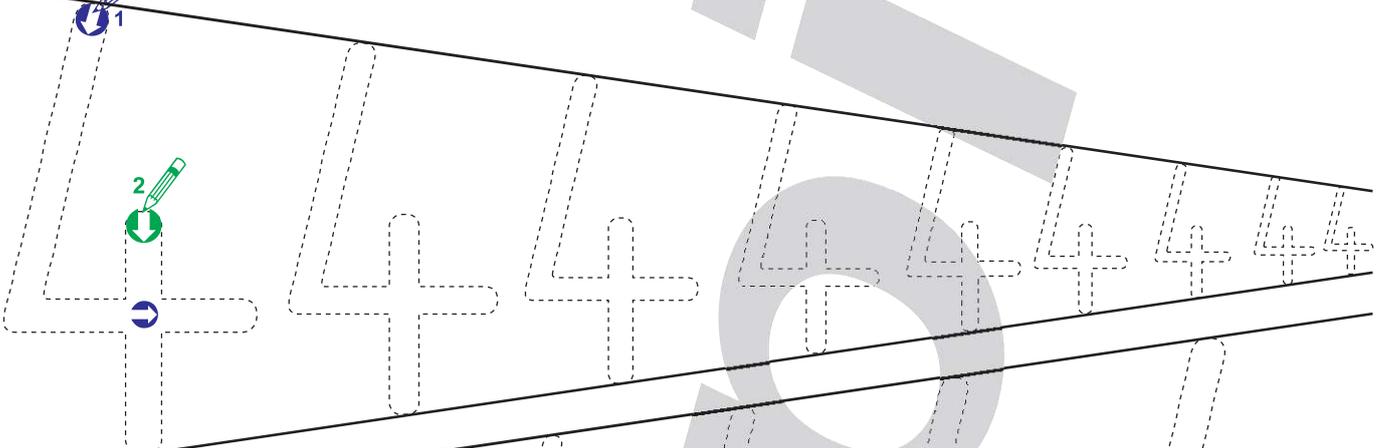
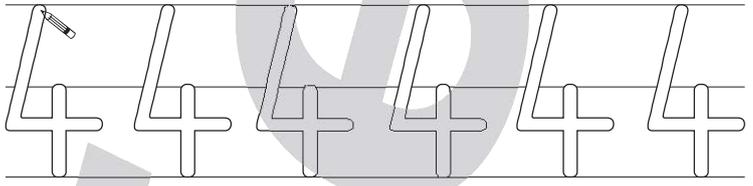
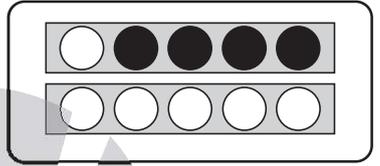
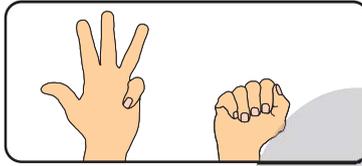
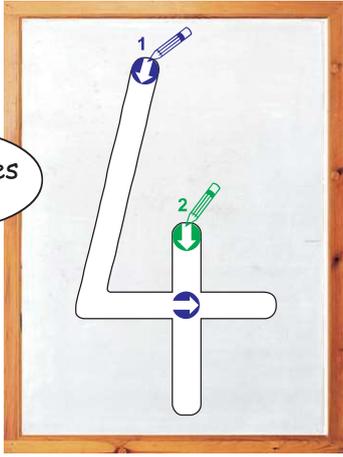




So geht es richtig!

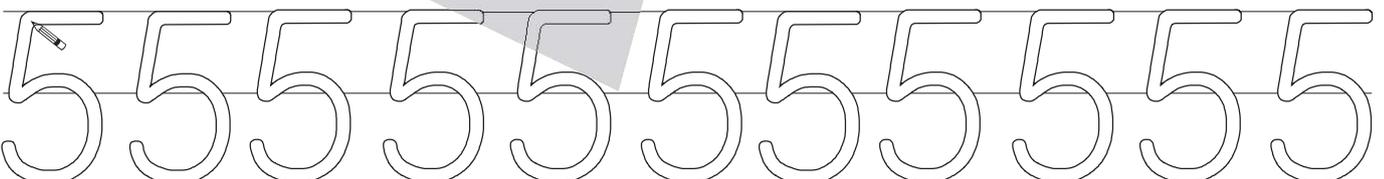
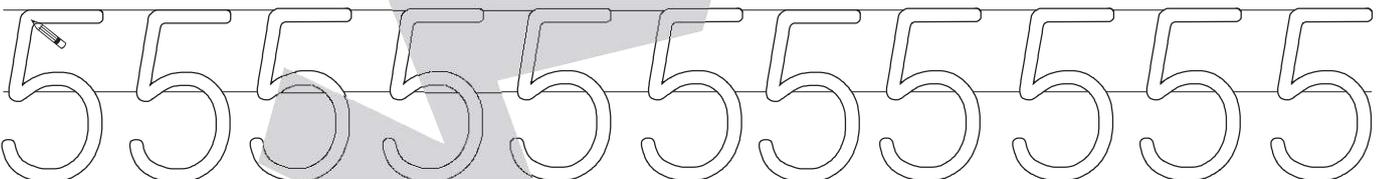
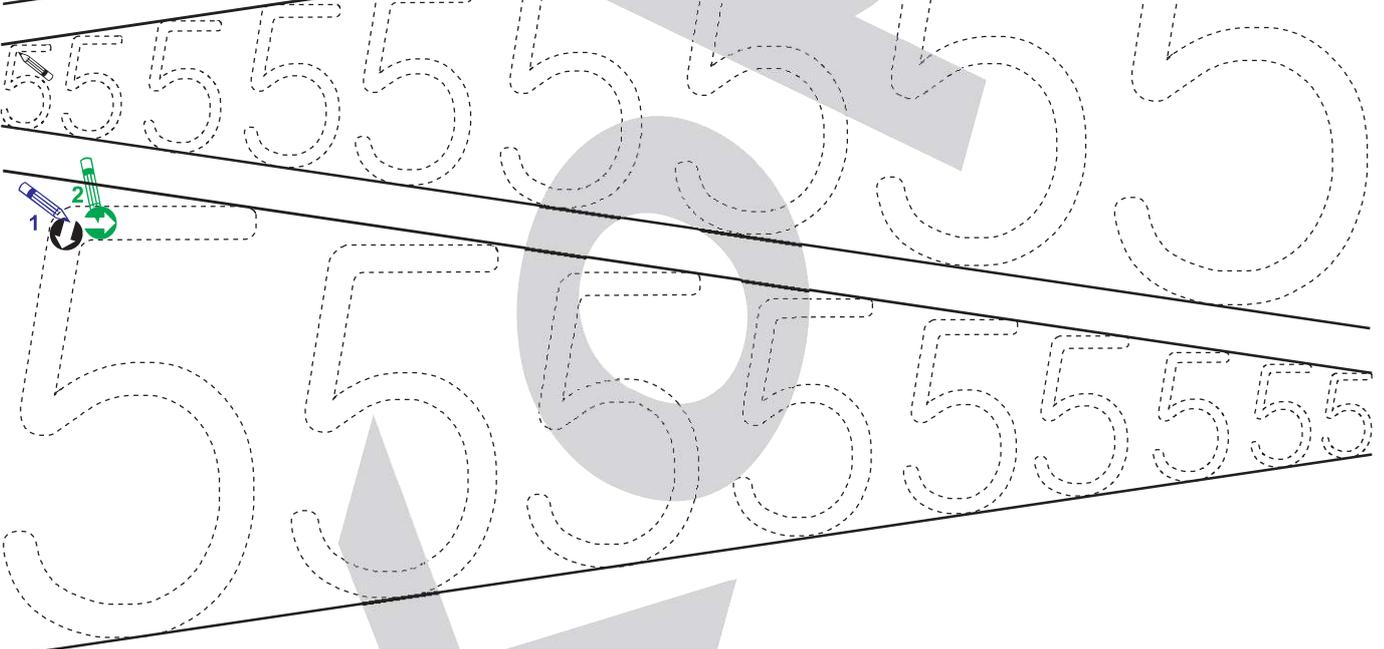
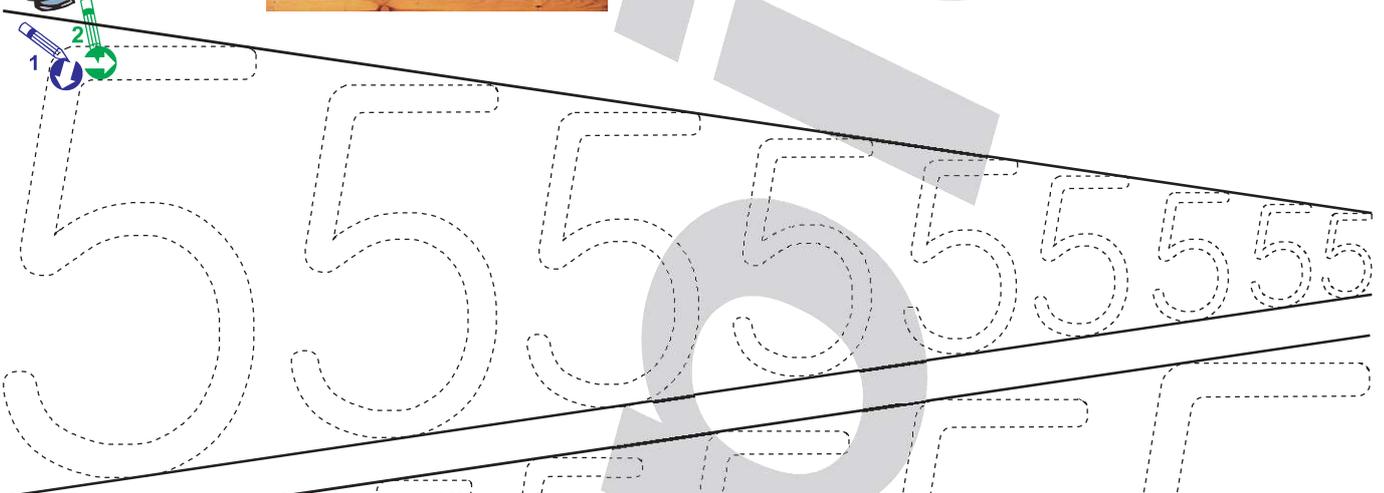
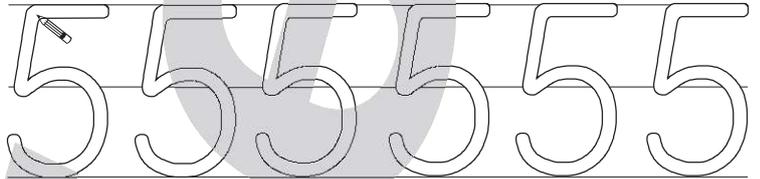
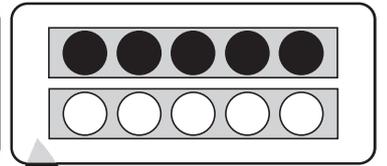
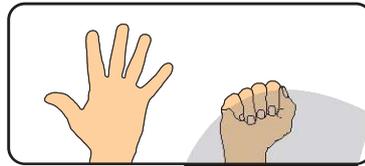
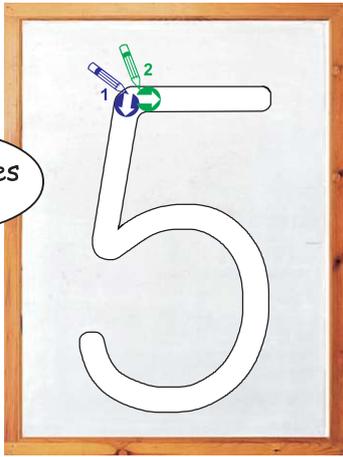


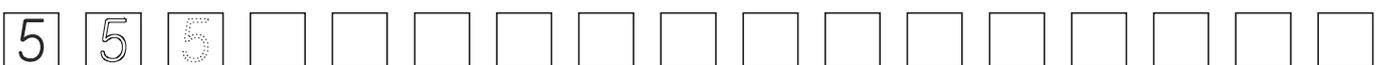
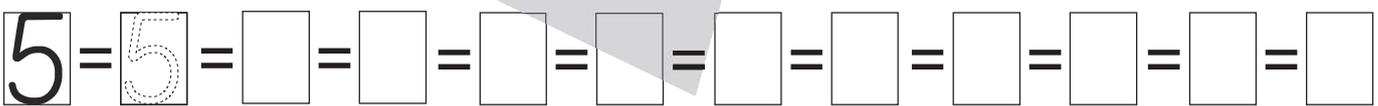
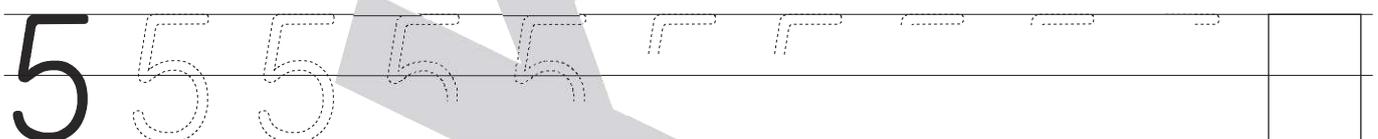
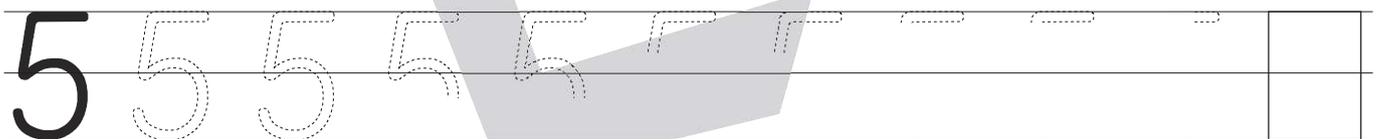
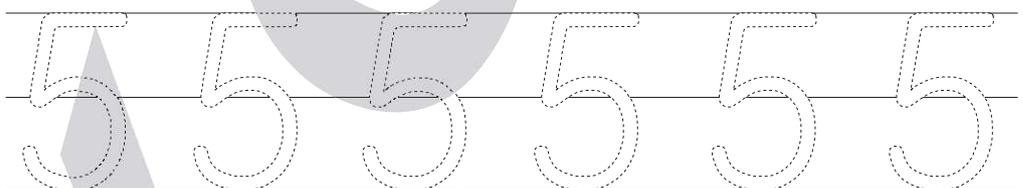
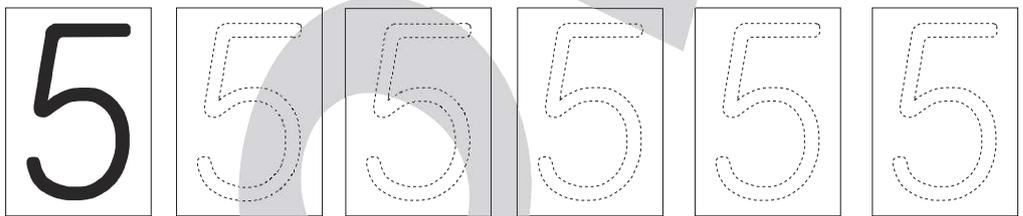
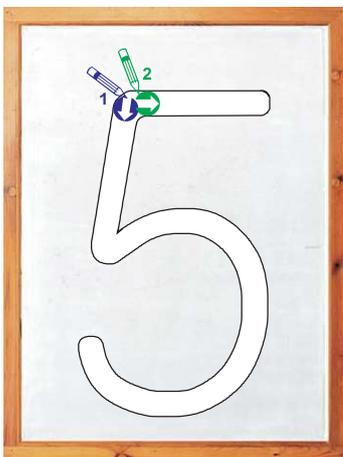
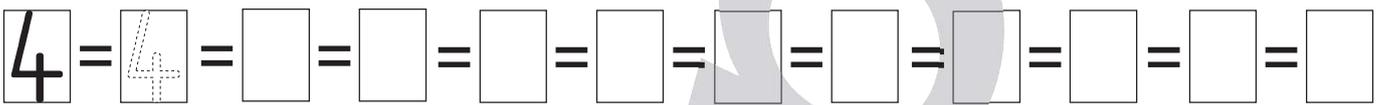
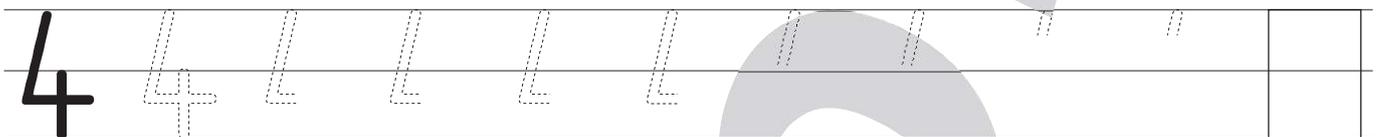
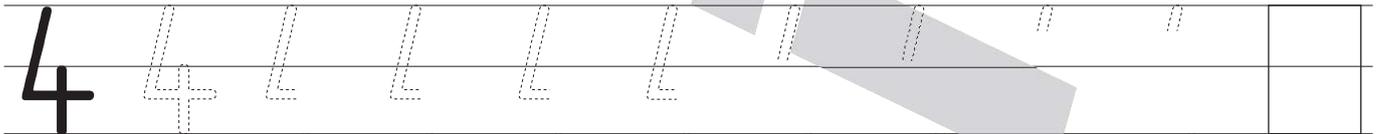
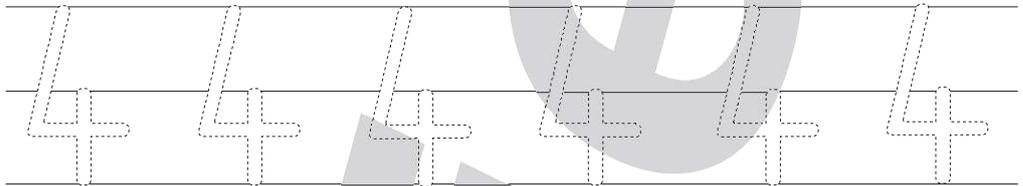
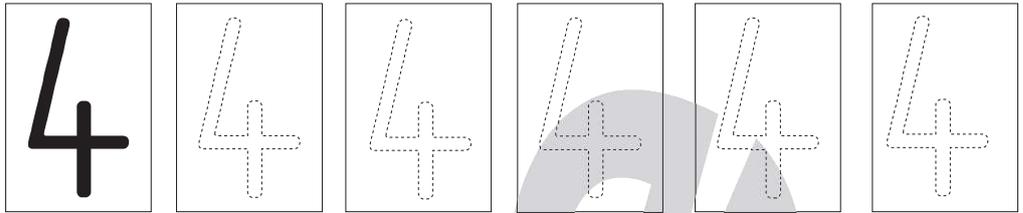
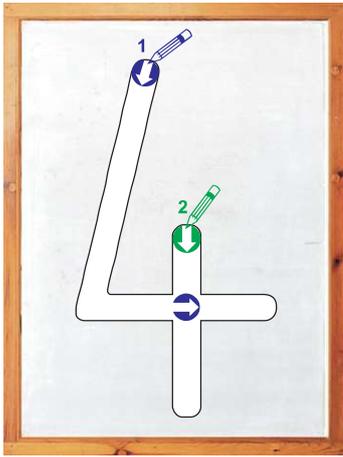


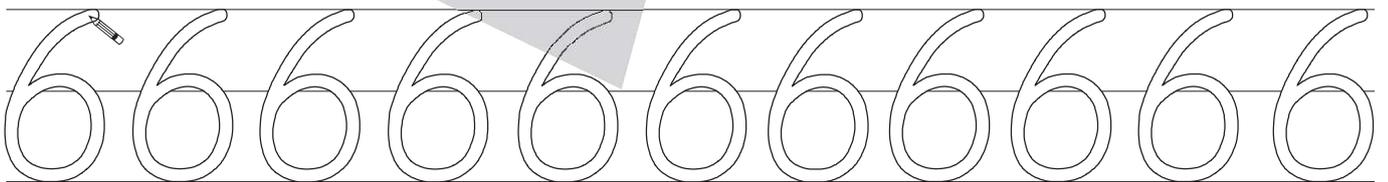
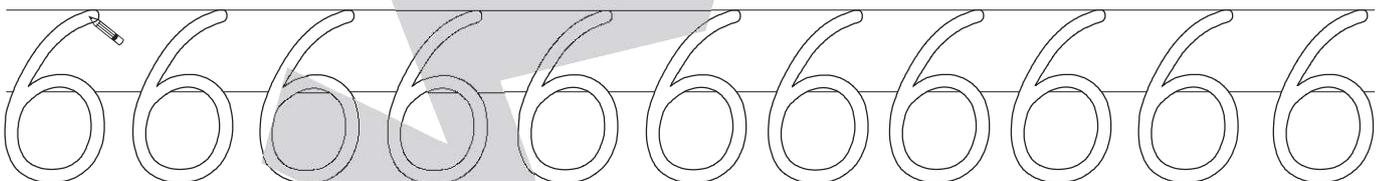
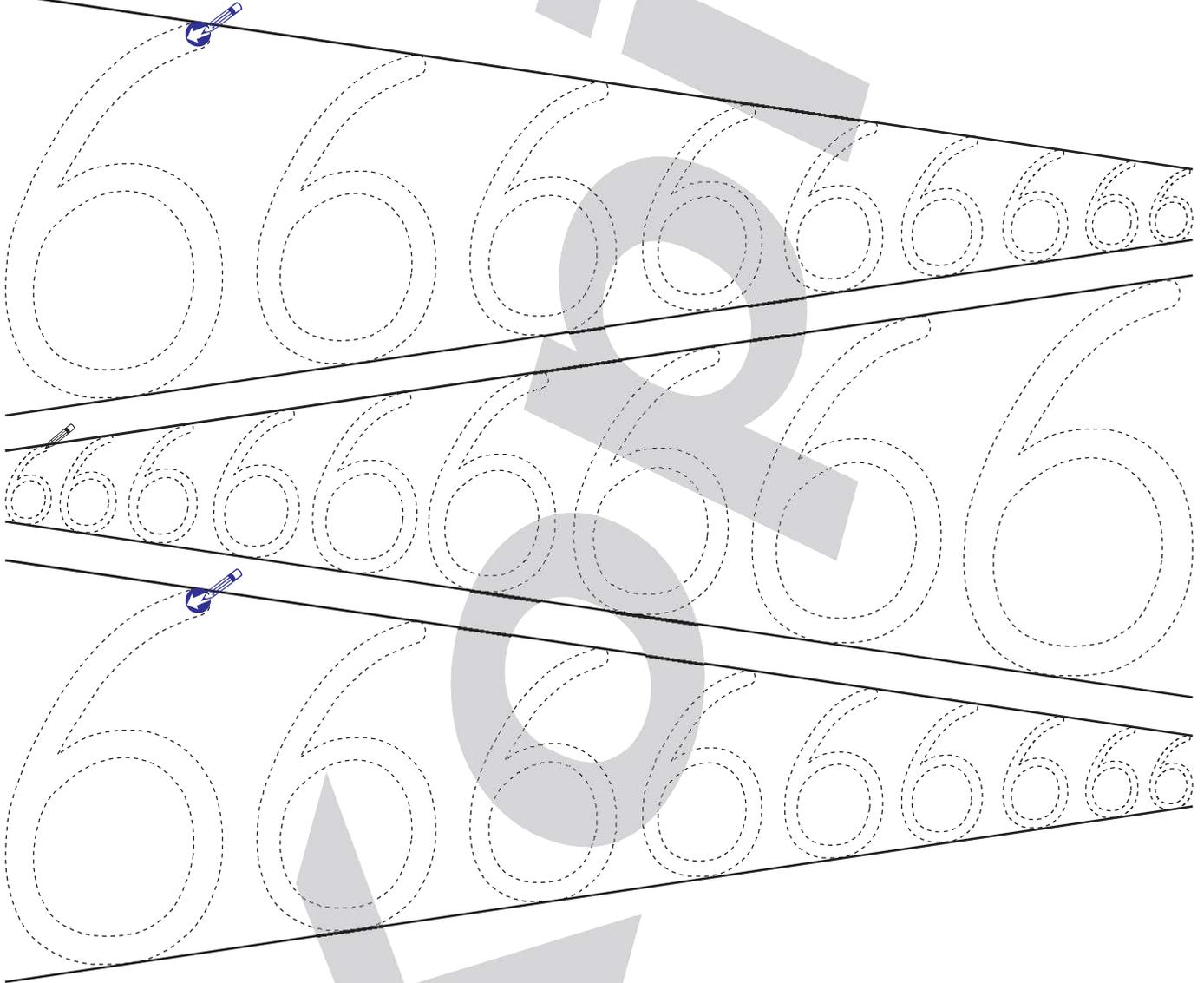
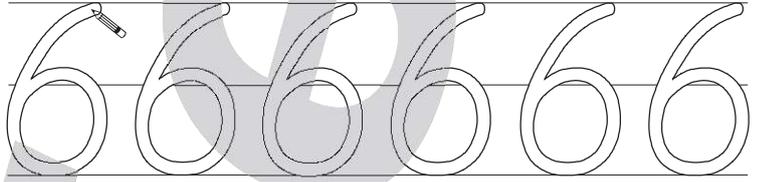
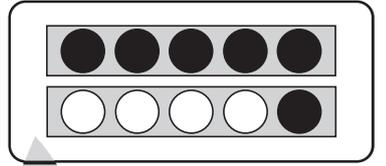
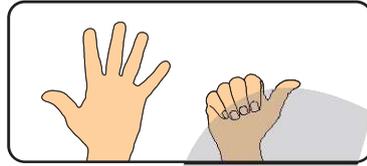
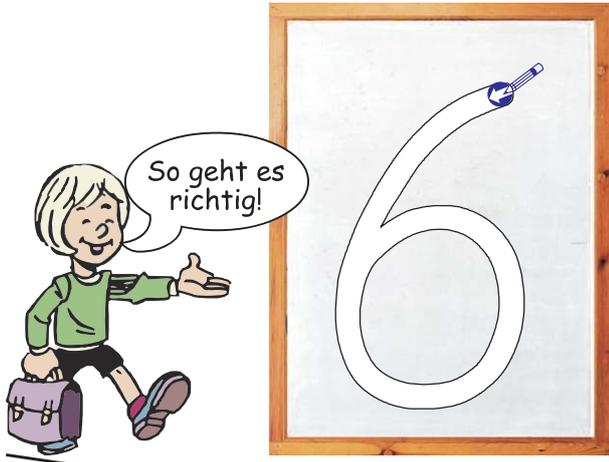


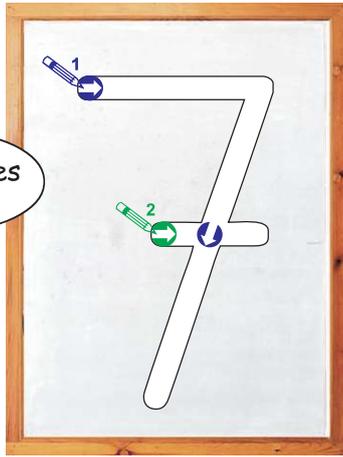


So geht es richtig!

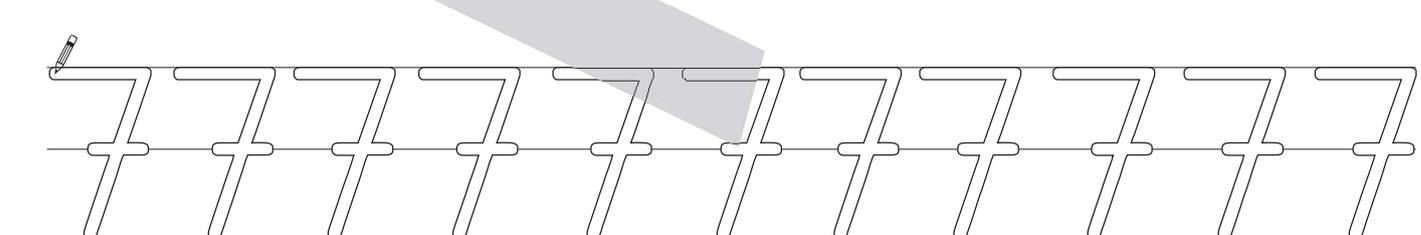
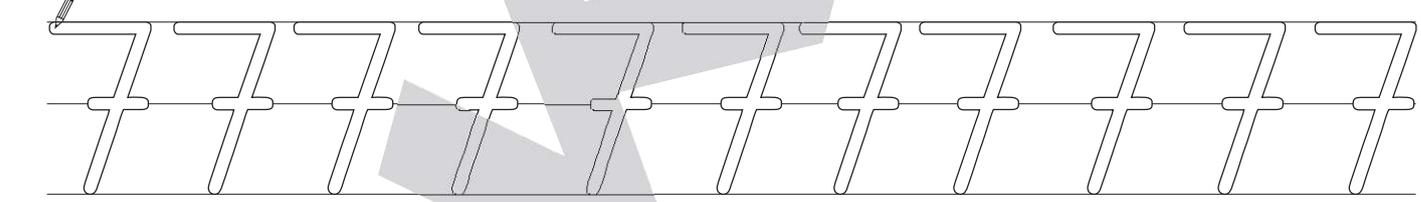
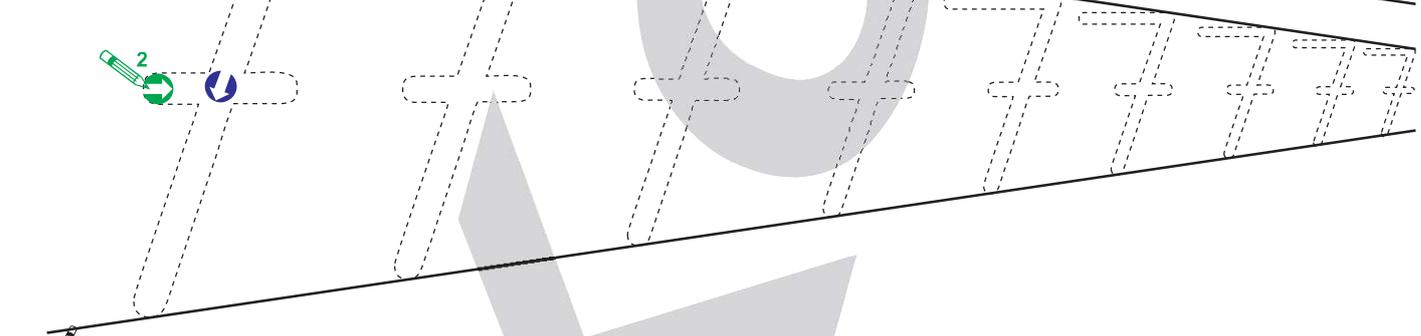
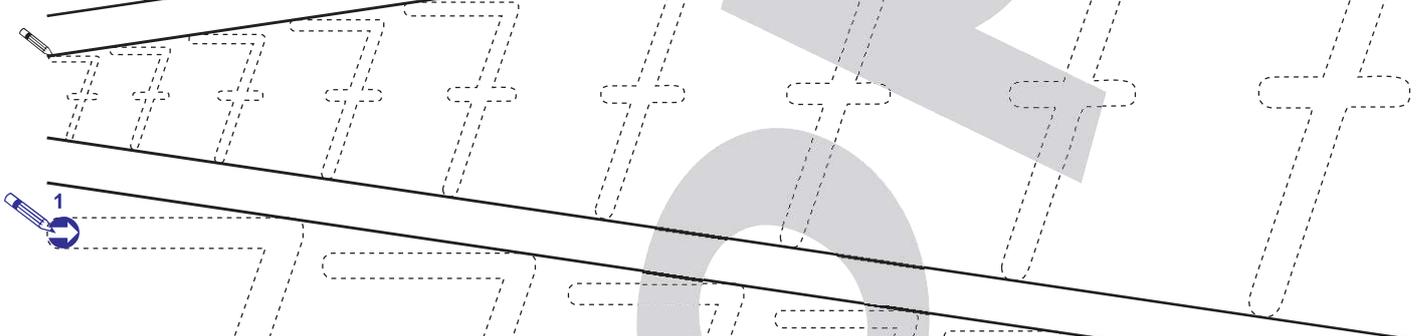
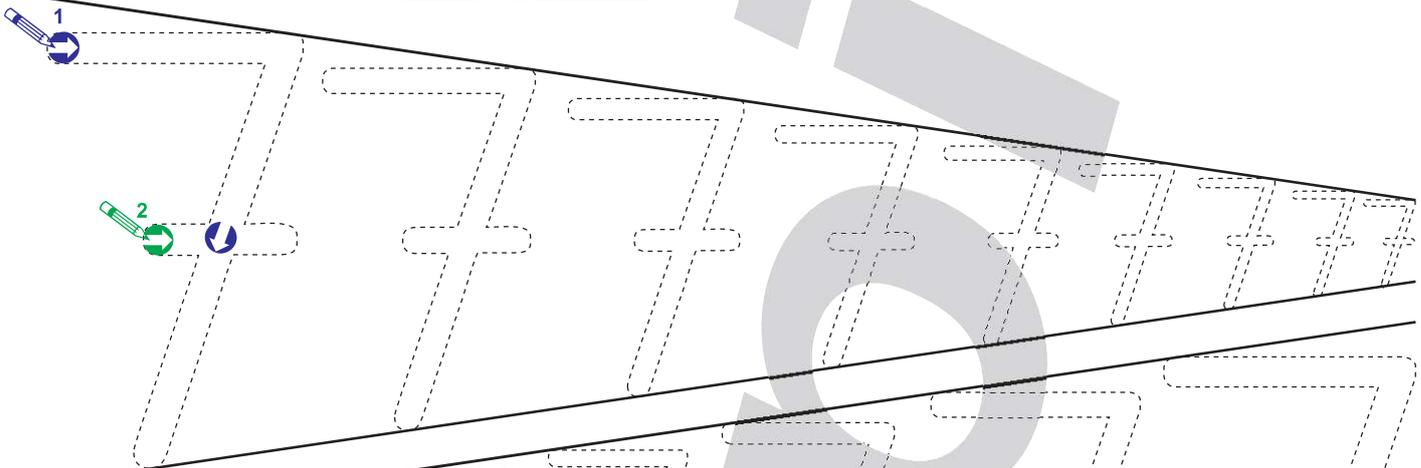
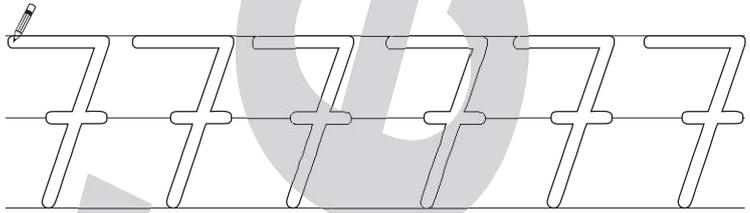
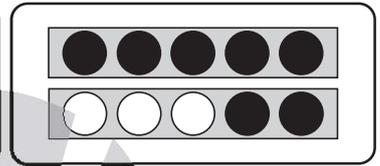
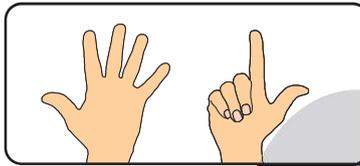


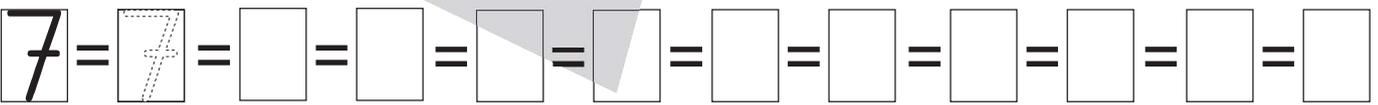
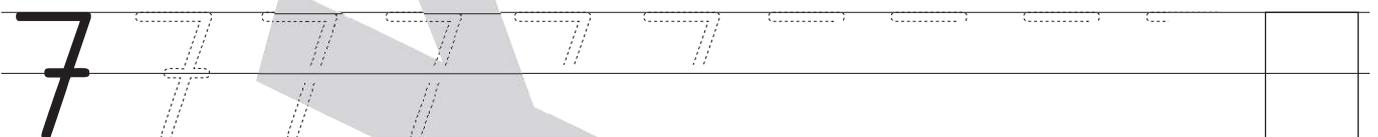
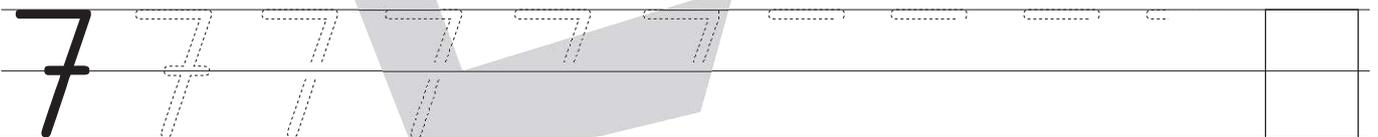
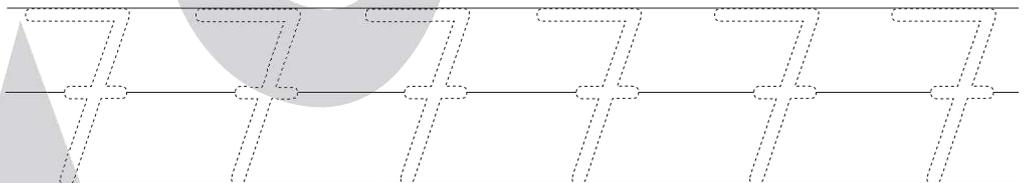
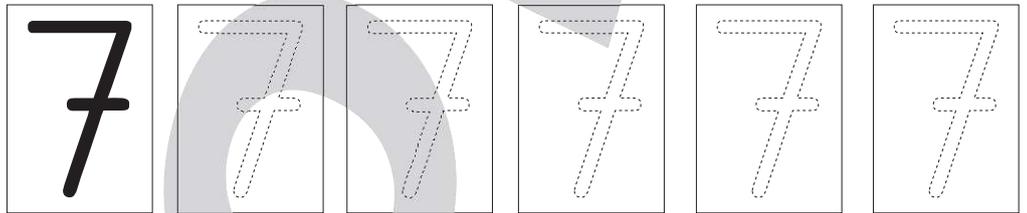
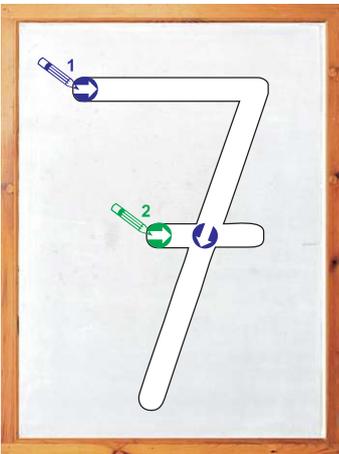
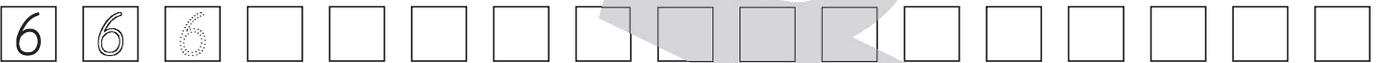
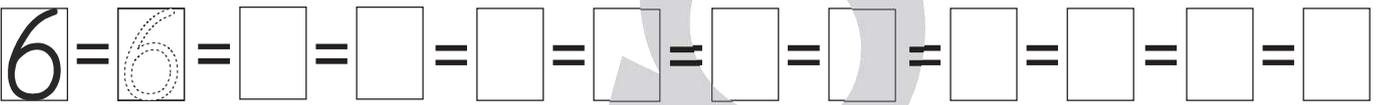
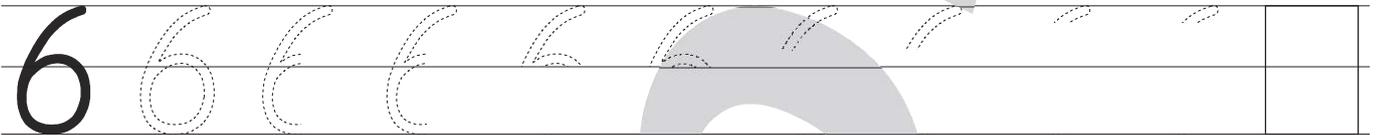
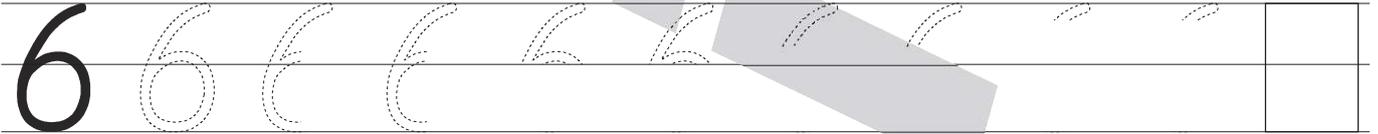
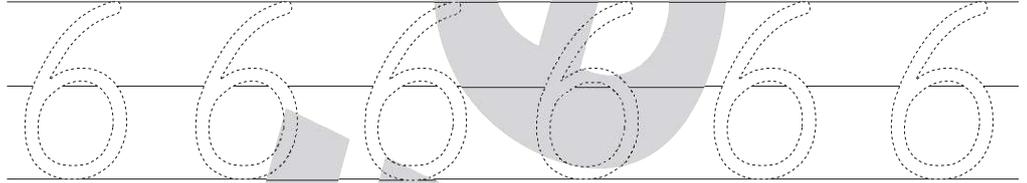
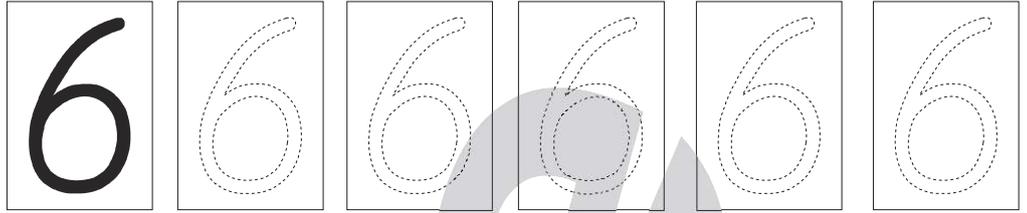
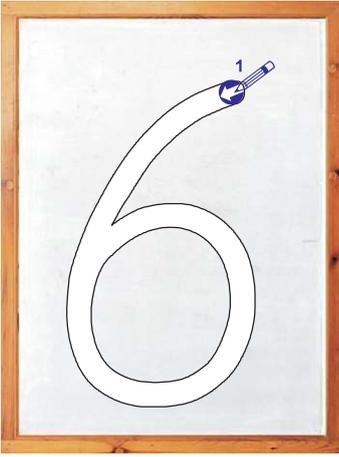






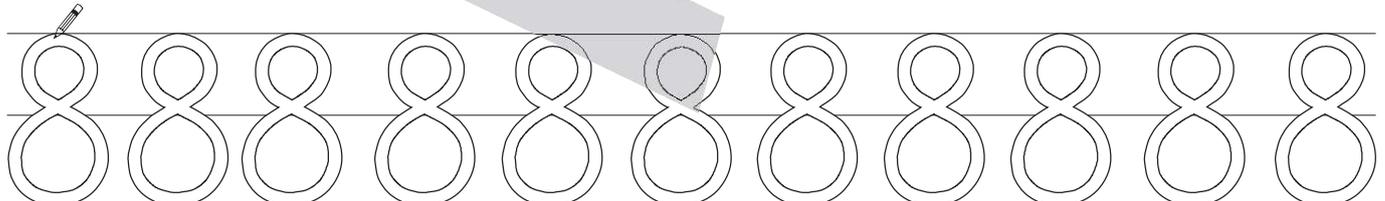
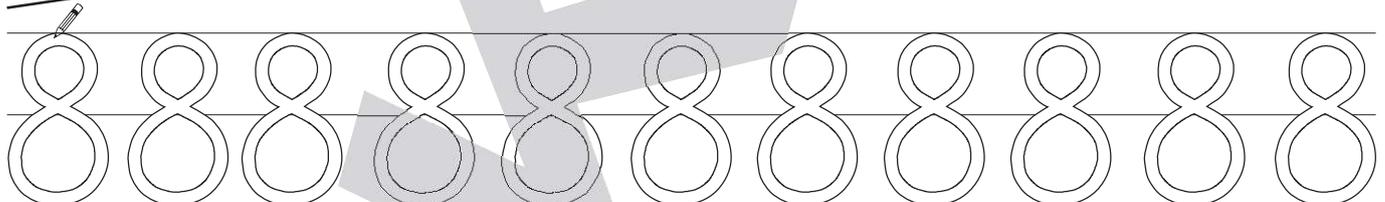
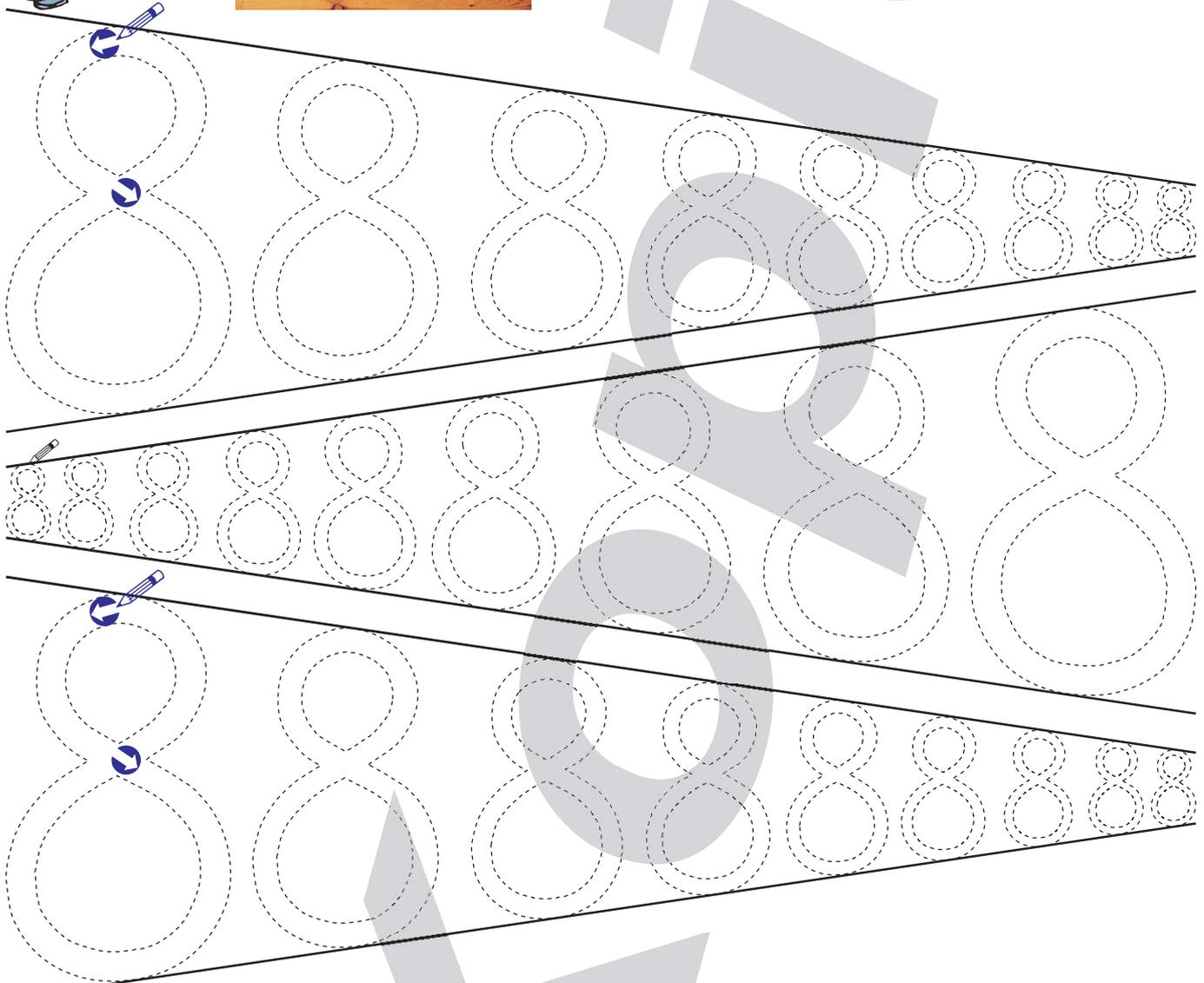
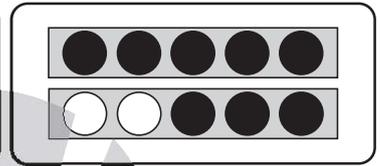
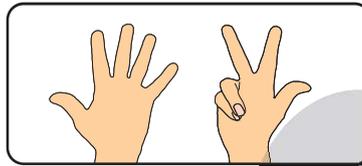
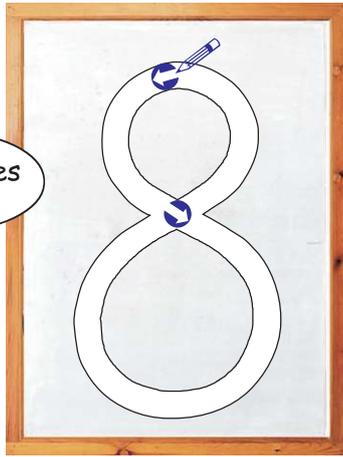
So geht es richtig!

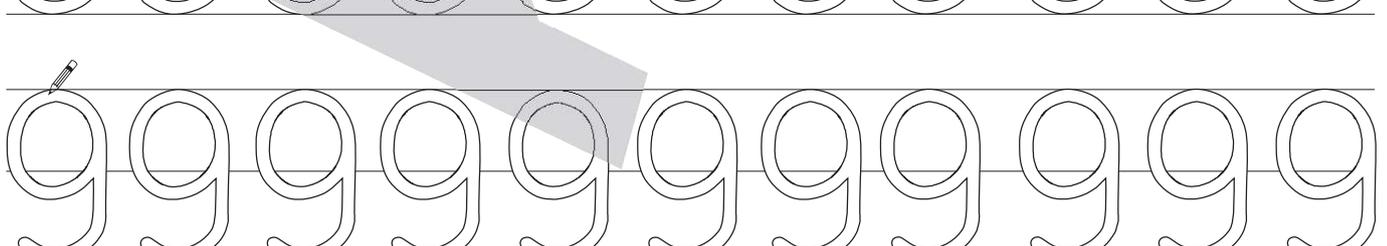
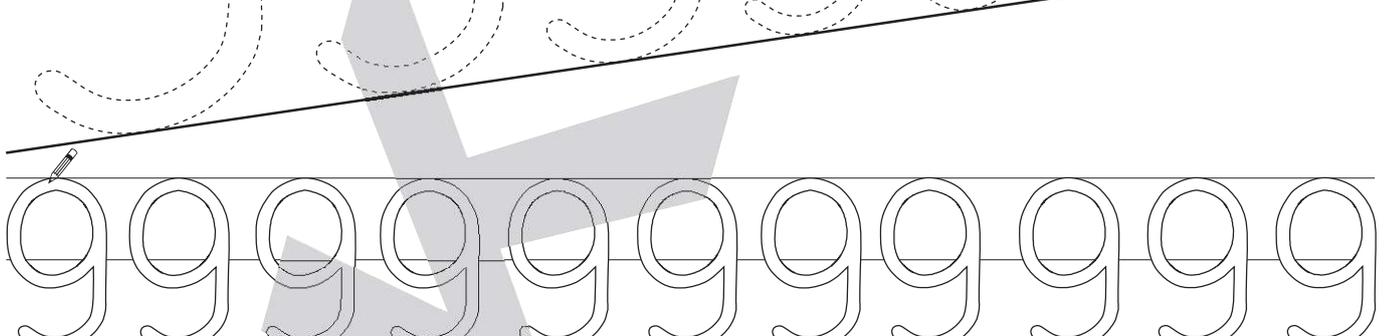
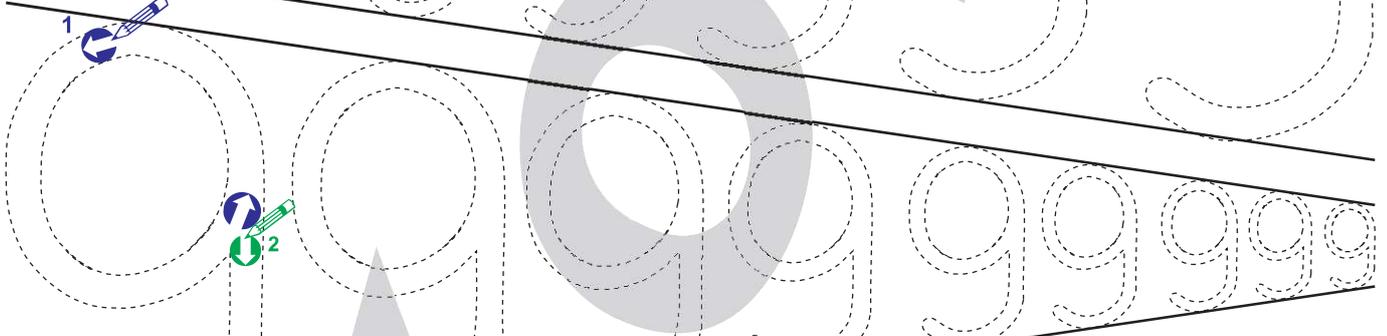
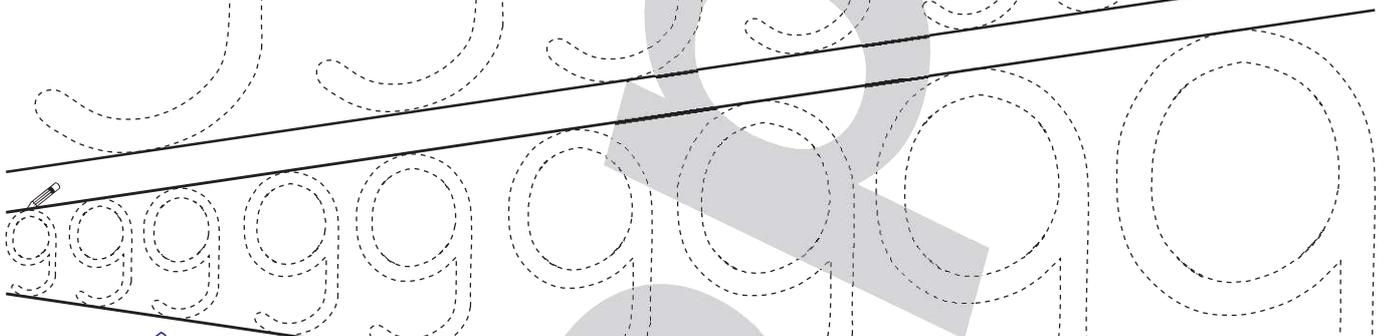
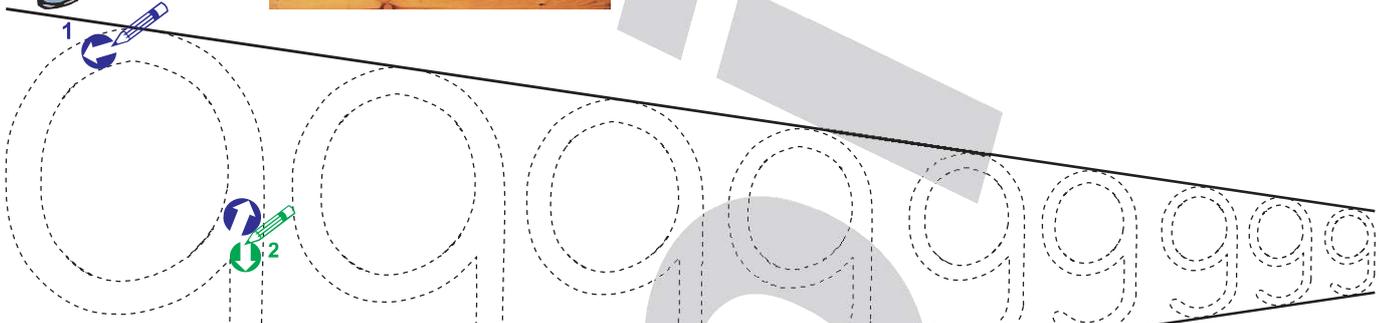
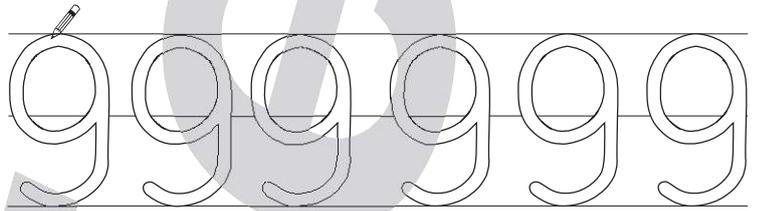
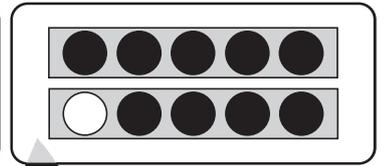
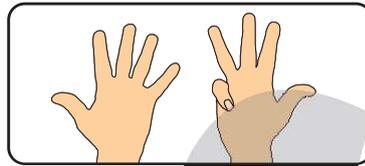
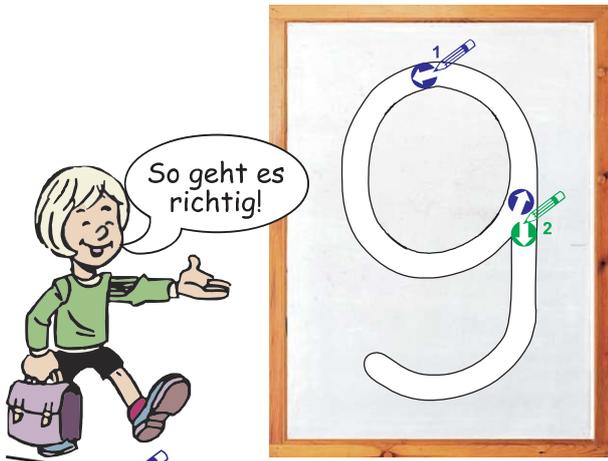


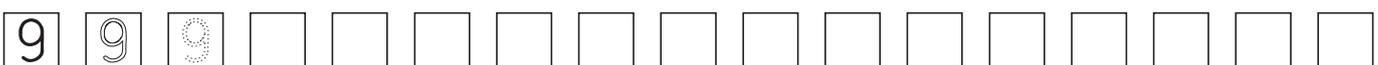
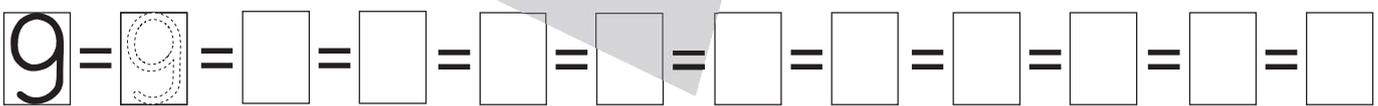
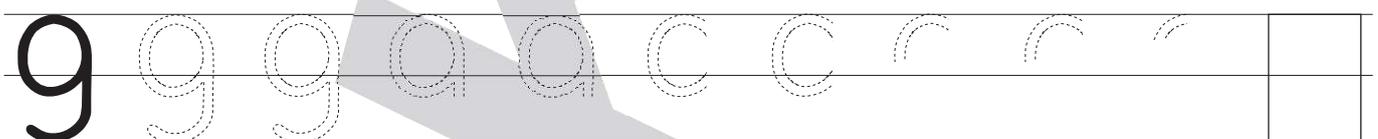
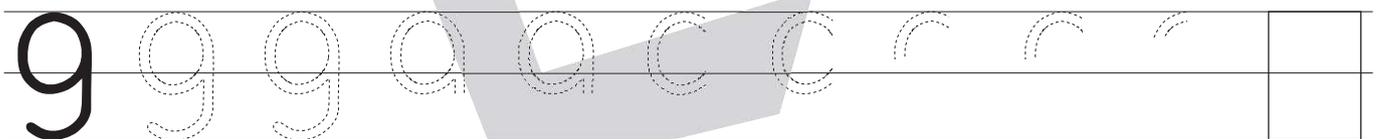
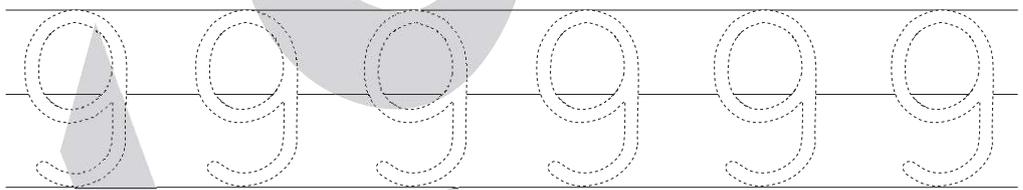
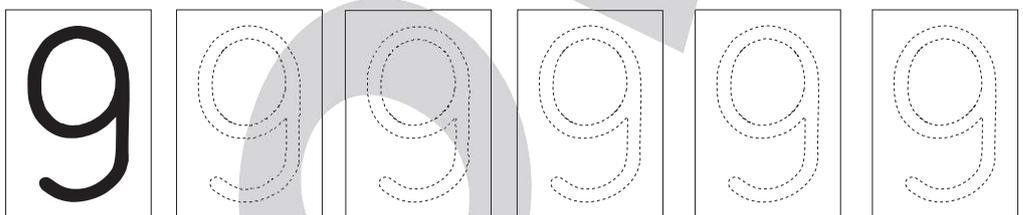
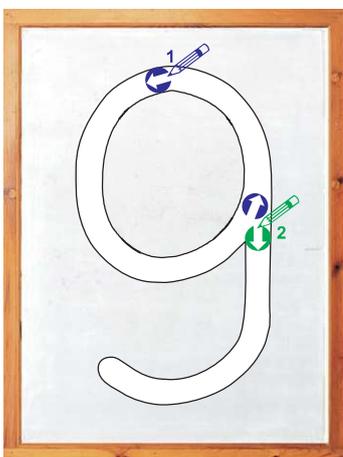
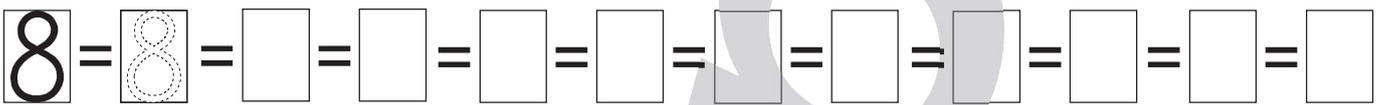
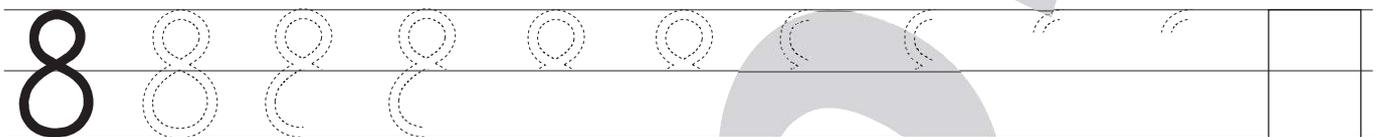
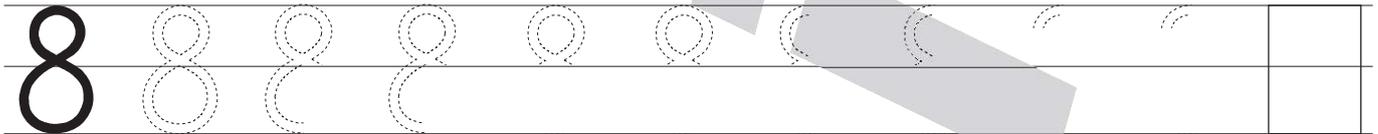
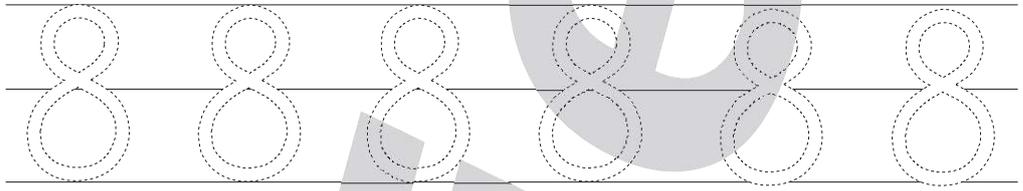
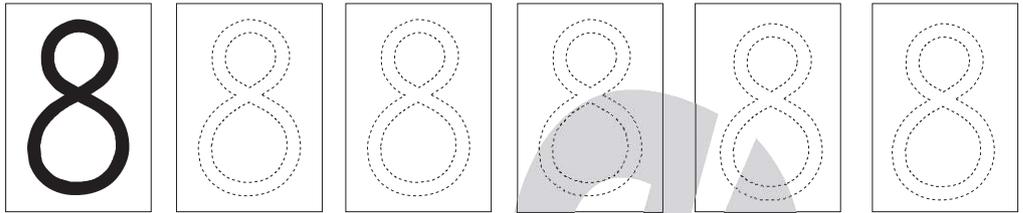
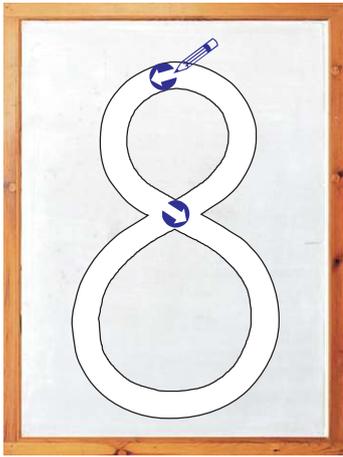




So geht es richtig!







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

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

Finde das richtige Vergleichszeichen!

9 > 6 < 4 > 2 < 8 > 0 > 7 > 1

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

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

6 > 3 = 3 > 9 > 8 > 2 > 2 > 4 > 7 > 7

5 > 5 > 1 > 0 > 0 > 2 > 2 > 9 > 6 > 8

4 > 8 > 7 > 7 > 2 > 5 > 8 > 8 > 0 > 2

Welches Rechenzeichen ist richtig?

1 + 1 = 2 4 + 4 = 0 5 + 1 = 4

3 + 2 = 1 0 + 5 = 5 4 + 3 = 1 3 + 2 = 5

3 + 5 = 8 5 + 2 = 7 9 + 4 = 5 1 + 5 = 6

7 + 2 = 5 8 + 5 = 3 3 + 5 = 8 6 + 5 = 1

3 + 5 = 8 9 + 5 = 4 1 + 5 = 6 7 + 2 = 5



Welches Vergleichszeichen ist das Richtige? Male es in die Kästchen.

mehr als gleich viel wie weniger als

Beispiel



Welches Vergleichs-
zeichen ist das
Richtige? Male es
in die Kästchen.

mehr als	gleich viel wie	weniger als

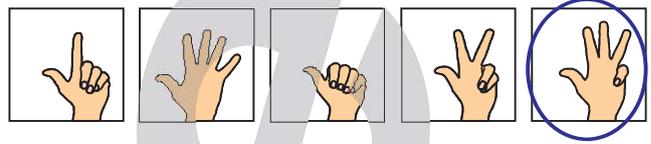
Beispiel



Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger)

Beispiel

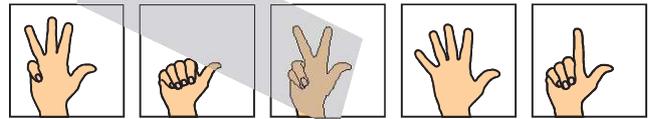
$$\boxed{\text{Hand with 4 fingers up}} = \boxed{4}$$



$$\boxed{\text{Hand with 5 fingers up}} = \boxed{}$$



$$\boxed{\text{Hand with 2 fingers up}} = \boxed{}$$



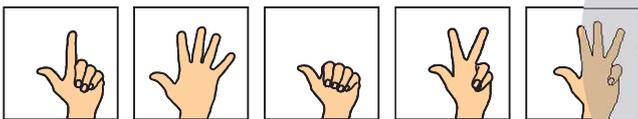
$$\boxed{\text{Hand with 3 fingers up}} = \boxed{}$$



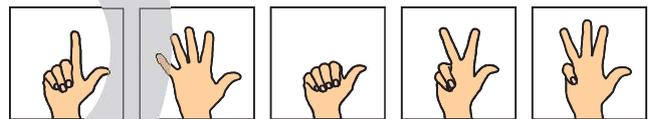
$$\boxed{\text{Hand with 4 fingers up}} = \boxed{}$$



$$\boxed{\text{Hand with 4 fingers up}} = \boxed{}$$



$$\boxed{\text{Hand with 1 finger up}} = \boxed{}$$



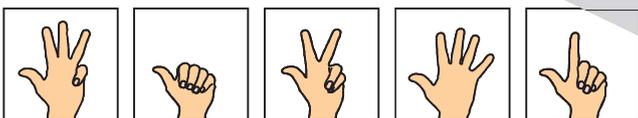
$$\boxed{\text{Hand with 2 fingers up}} = \boxed{}$$



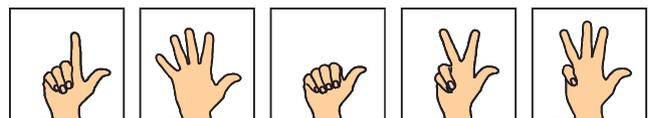
$$\boxed{\text{Hand with 5 fingers up}} = \boxed{}$$



$$\boxed{\text{Hand with 1 finger up}} = \boxed{}$$



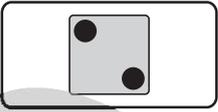
$$\boxed{\text{Hand with 3 fingers up}} = \boxed{}$$



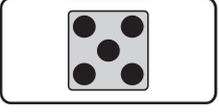


Gesucht ist die richtige Zahl und die gleiche Anzahl! (schwarze Punkte)

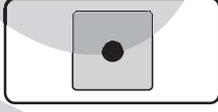
Beispiel

 = 2

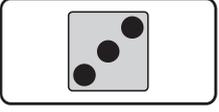
Five boxes, each containing a row of 5 circles. The first box has 2 black dots and 3 white circles. The second has 5 black dots. The third has 3 white circles and 2 black dots. The fourth has 4 black dots and 1 white circle. The fifth has 1 black dot and 4 white circles. The first box is circled in blue.

 =

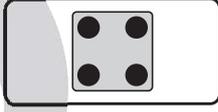
Five boxes, each containing a row of 5 circles. The first has 2 black dots and 3 white circles. The second has 5 black dots. The third has 3 white circles and 2 black dots. The fourth has 4 black dots and 1 white circle. The fifth has 1 black dot and 4 white circles.

 =

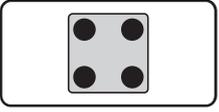
Five boxes, each containing a row of 5 circles. The first has 5 black dots. The second has 3 white circles and 2 black dots. The third has 4 black dots and 1 white circle. The fourth has 5 black dots. The fifth has 2 black dots and 3 white circles.

 =

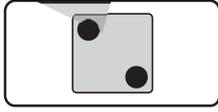
Five boxes, each containing a row of 5 circles. The first has 5 black dots. The second has 3 white circles and 2 black dots. The third has 4 black dots and 1 white circle. The fourth has 5 black dots. The fifth has 2 black dots and 3 white circles.

 =

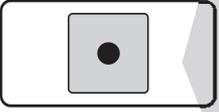
Five boxes, each containing a row of 5 circles. The first has 3 white circles and 2 black dots. The second has 5 black dots. The third has 4 black dots and 1 white circle. The fourth has 1 white circle and 4 black dots. The fifth has 2 black dots and 3 white circles.

 =

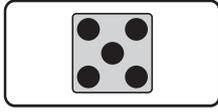
Five boxes, each containing a row of 5 circles. The first has 2 black dots and 3 white circles. The second has 5 black dots. The third has 3 white circles and 2 black dots. The fourth has 4 black dots and 1 white circle. The fifth has 1 black dot and 4 white circles.

 =

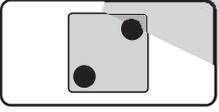
Five boxes, each containing a row of 5 circles. The first has 1 white circle and 4 black dots. The second has 5 black dots. The third has 3 white circles and 2 black dots. The fourth has 1 white circle and 4 black dots. The fifth has 2 black dots and 3 white circles.

 =

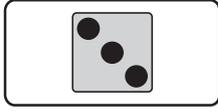
Five boxes, each containing a row of 5 circles. The first has 5 black dots. The second has 3 white circles and 2 black dots. The third has 4 black dots and 1 white circle. The fourth has 5 black dots. The fifth has 2 black dots and 3 white circles.

 =

Five boxes, each containing a row of 5 circles. The first has 5 black dots. The second has 3 white circles and 2 black dots. The third has 4 black dots and 1 white circle. The fourth has 5 black dots. The fifth has 2 black dots and 3 white circles.

 =

Five boxes, each containing a row of 5 circles. The first has 5 black dots. The second has 3 white circles and 2 black dots. The third has 4 black dots and 1 white circle. The fourth has 5 black dots. The fifth has 2 black dots and 3 white circles.

 =

Five boxes, each containing a row of 5 circles. The first has 1 white circle and 4 black dots. The second has 5 black dots. The third has 3 white circles and 2 black dots. The fourth has 1 white circle and 4 black dots. The fifth has 2 black dots and 3 white circles.



Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger und schwarze Punkte)

Beispiel

2 1 3 5 2

4 1 3 5 2

4 1 3 5 2

4 1 3 5 2



Gesucht ist die richtige Zahl und die gleiche Anzahl!
Wie viele sind weiß?

Beispiel

=

Five boxes, each containing 5 circles. The first four boxes have 2 black circles and 3 white circles. The fifth box has 3 black circles and 2 white circles, and is circled in blue.

=

Five boxes, each containing 5 circles. The first four boxes have 1 black circle and 4 white circles. The fifth box has 4 black circles and 1 white circle.

=

Five boxes, each containing 5 circles. The first four boxes have 4 black circles and 1 white circle. The fifth box has 1 black circle and 4 white circles.

=

Five boxes, each containing 5 circles. The first four boxes have 1 black circle and 4 white circles. The fifth box has 4 black circles and 1 white circle.

=

Five boxes, each containing 5 circles. The first four boxes have 4 black circles and 1 white circle. The fifth box has 1 black circle and 4 white circles.

=

Five boxes, each containing 5 circles. The first four boxes have 1 black circle and 4 white circles. The fifth box has 4 black circles and 1 white circle.

=

Five boxes, each containing 5 circles. The first four boxes have 2 black circles and 3 white circles. The fifth box has 3 black circles and 2 white circles.

=

Five boxes, each containing 5 circles. The first four boxes have 4 black circles and 1 white circle. The fifth box has 1 black circle and 4 white circles.

=

Five boxes, each containing 5 circles. The first four boxes have 1 black circle and 4 white circles. The fifth box has 4 black circles and 1 white circle.

=

Five boxes, each containing 5 circles. The first four boxes have 2 black circles and 3 white circles. The fifth box has 3 black circles and 2 white circles.

=

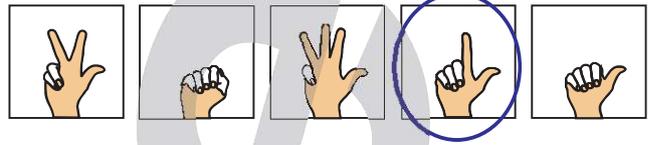
Five boxes, each containing 5 circles. The first four boxes have 1 black circle and 4 white circles. The fifth box has 4 black circles and 1 white circle.



Gesucht ist die richtige Zahl und die gleiche Anzahl!
Wie viele sind weiß?

Beispiel

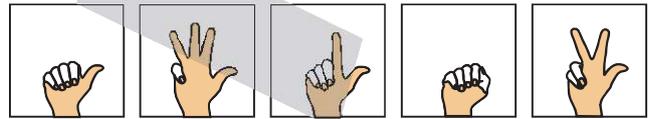
$$\boxed{2} \boxed{3} = \boxed{3}$$



$$\boxed{5} \boxed{0} = \boxed{}$$



$$\boxed{4} \boxed{1} = \boxed{}$$



$$\boxed{3} \boxed{2} = \boxed{}$$



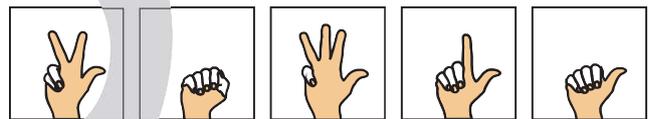
$$\boxed{1} \boxed{4} = \boxed{}$$



$$\boxed{4} \boxed{1} = \boxed{}$$



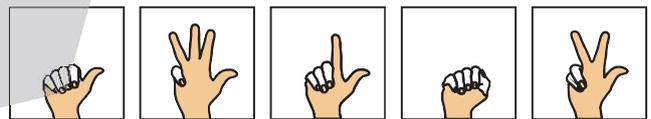
$$\boxed{3} \boxed{2} = \boxed{}$$



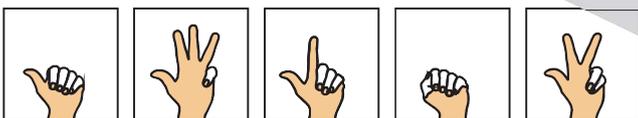
$$\boxed{1} \boxed{4} = \boxed{}$$



$$\boxed{0} \boxed{5} = \boxed{}$$



$$\boxed{2} \boxed{3} = \boxed{}$$



$$\boxed{2} \boxed{3} = \boxed{}$$





Gesucht ist die richtige Zahl und die gleiche Anzahl!
Wie viele sind weiß?

Beispiel

= 2

4 1 1 4 3 2 5 0 2 3

=

2 3 5 0 1 4 3 2 4 1

4 1 =

=

4 1 3 5 2

=

=

2 3 5 0 1 4 3 2 4 1

3 2 =

=

4 1 3 5 2

=

=

4 1 1 4 3 2 5 0 2 3

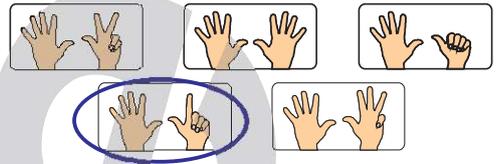
2 3 =



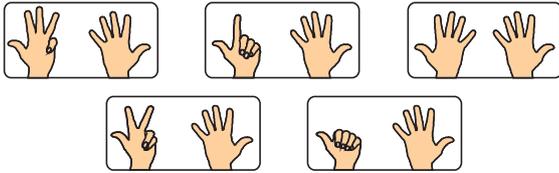
Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger)

Beispiel

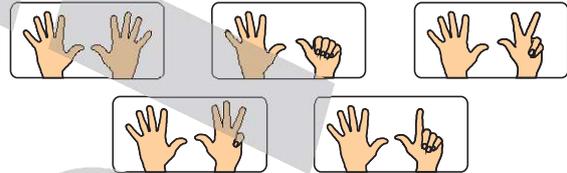
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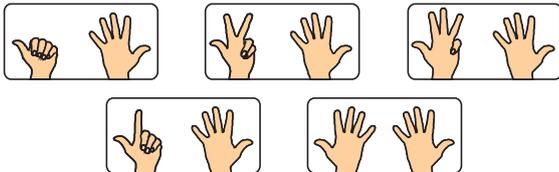
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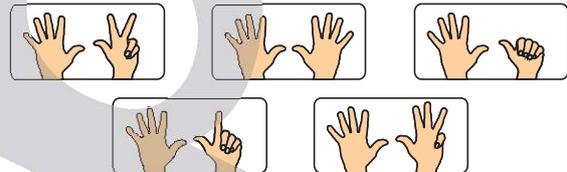
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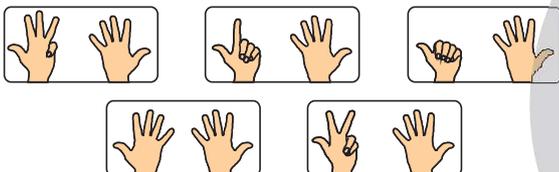
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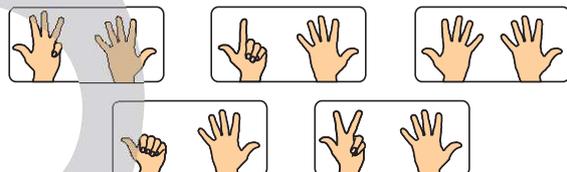
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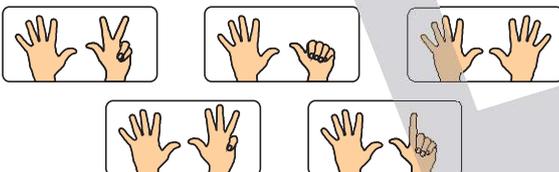
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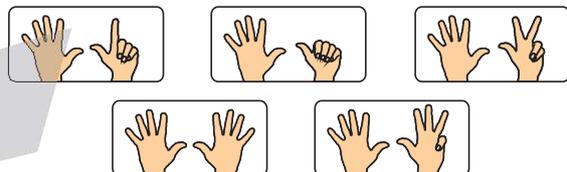
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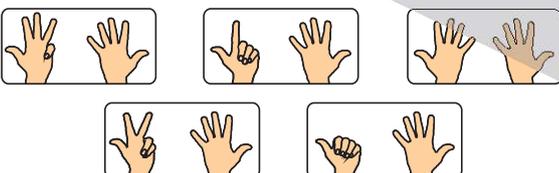
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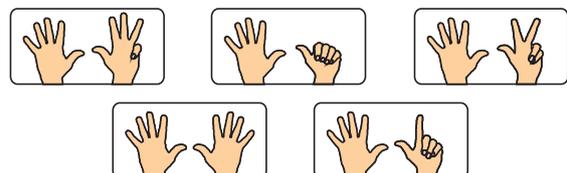
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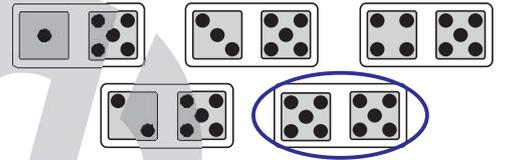




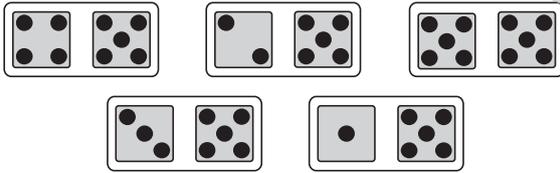
Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger und schwarze Punkte)

Beispiel

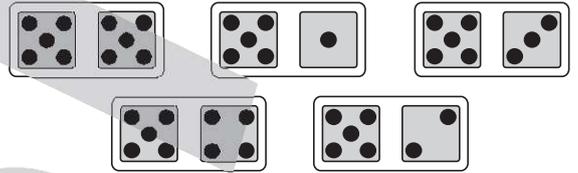
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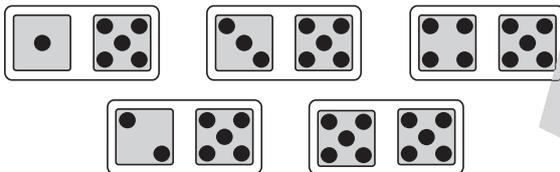
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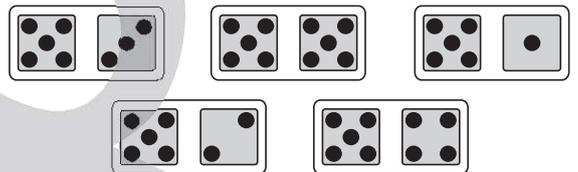
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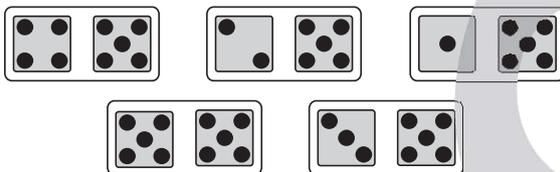
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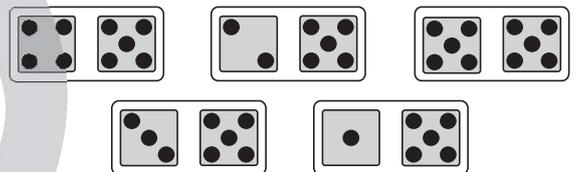
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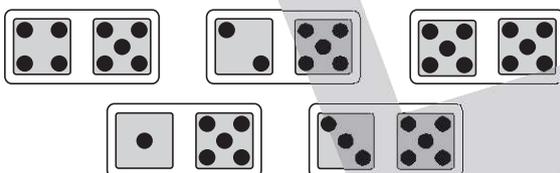
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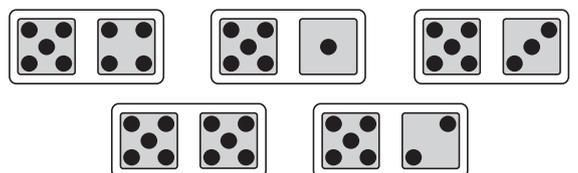
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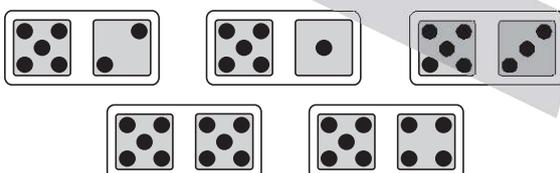
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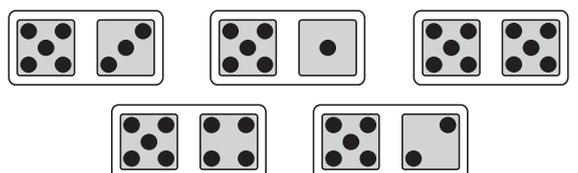
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Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger)

Beispiel

$$\text{[Hand with 1 finger up]} \text{ [Hand with 6 fingers up]} = \text{[7]}$$

8 10 6
7 9

$$\text{[Hand with 1 finger up]} \text{ [Hand with 5 fingers up]} = \text{[]}$$

10 6 8
9 7

$$\text{[Hand with 1 finger up]} \text{ [Hand with 4 fingers up]} = \text{[]}$$

8 10 6
7 9

$$\text{[Hand with 4 fingers up]} \text{ [Hand with 3 fingers up]} = \text{[]}$$

9 7 6
10 8

$$\text{[Hand with 3 fingers up]} \text{ [Hand with 4 fingers up]} = \text{[]}$$

6 8 9
7 10

$$\text{[Hand with 4 fingers up]} \text{ [Hand with 2 fingers up]} = \text{[]}$$

9 7 10
8 6

$$\text{[Hand with 3 fingers up]} \text{ [Hand with 1 finger up]} = \text{[]}$$

9 7 10
8 6

$$\text{[Hand with 4 fingers up]} \text{ [Hand with 3 fingers up]} = \text{[]}$$

9 6 8
10 7

$$\text{[Hand with 3 fingers up]} \text{ [Hand with 4 fingers up]} = \text{[]}$$

7 6 8
10 9

$$\text{[Hand with 2 fingers up]} \text{ [Hand with 5 fingers up]} = \text{[]}$$

9 7 10
6 8

$$\text{[Hand with 3 fingers up]} \text{ [Hand with 1 finger up]} = \text{[]}$$

8 6 10
9 7



Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger und schwarze Punkte)

Beispiel

=

Five ten-frame options for the example problem. The first one, showing 5 black dots in the top row and 4 black dots in the bottom row, is circled in blue.

=

Five ten-frame options for the first problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the second problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the third problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the fourth problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the fifth problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the sixth problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the seventh problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the eighth problem, each with 10 dots (5 black, 5 white).

=

Five ten-frame options for the ninth problem, each with 10 dots (5 black, 5 white).

=

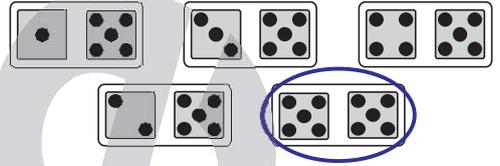
Five ten-frame options for the tenth problem, each with 10 dots (5 black, 5 white).



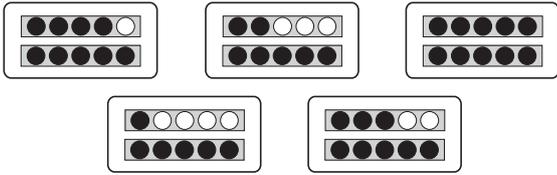
Gesucht ist die richtige Zahl und die gleiche Anzahl! (aufgeklappte Finger und schwarze Punkte)

Beispiel

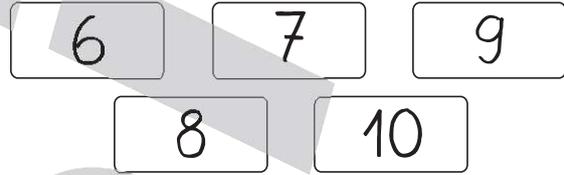
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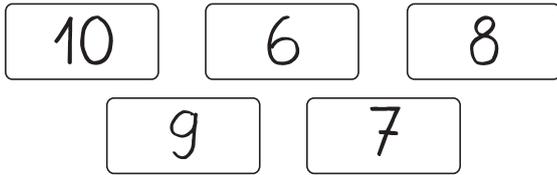
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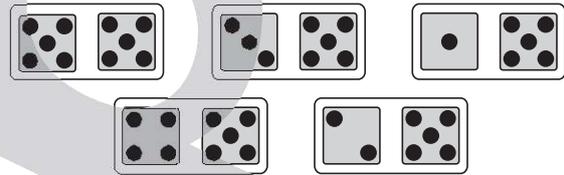
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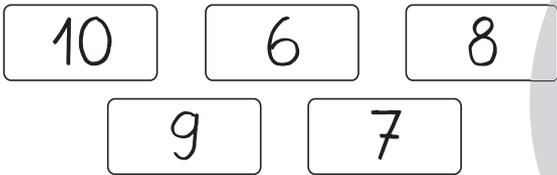
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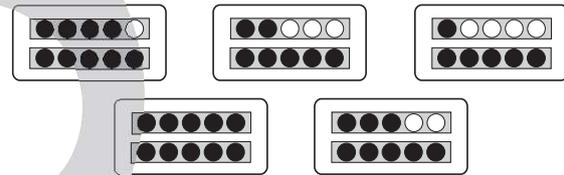
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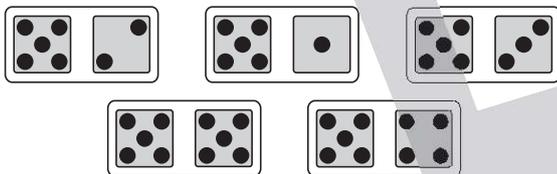
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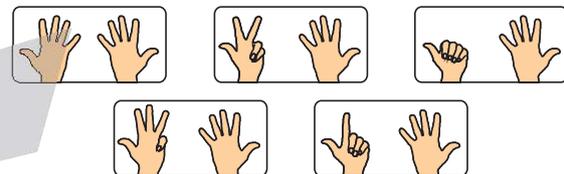
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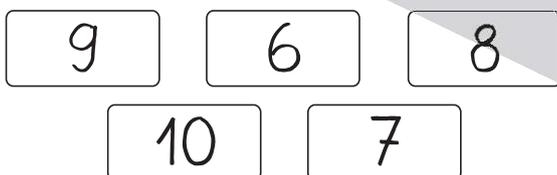
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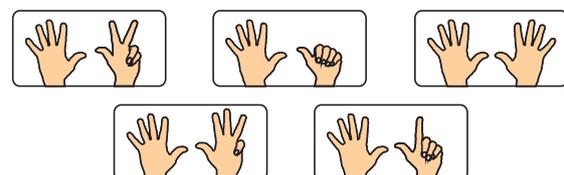
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Gesucht ist die richtige Zahl und die gleiche Anzahl!
Wie viele sind weiß?

Beispiel

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Gesucht ist die richtige Zahl und die gleiche Anzahl!
Wie viele sind weiß?

Beispiel

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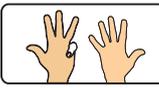
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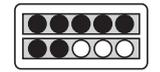


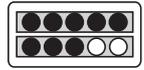
Gesucht ist die richtige Zahl und die gleiche Anzahl!
Wie viele sind weiß?

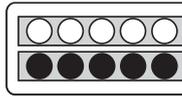
Beispiel

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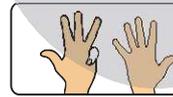


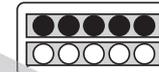
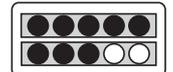
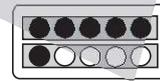
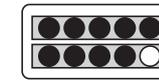


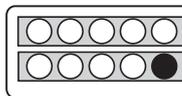


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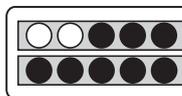
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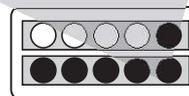






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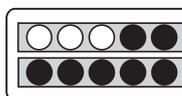
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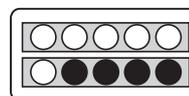


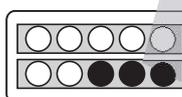




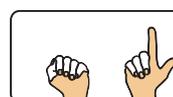
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Markiere zuerst das Ganze. Gesucht ist die richtige Teilmenge. Schreibe sie als Zahl in die Kästchen.

Beispiel

Diagram illustrating the example task. A central box contains a hand with 4 fingers, with a green pencil icon pointing to it. Below this are five boxes, each containing a ten-frame with 10 dots. The first ten-frame has 4 dots in the top row and 6 dots in the bottom row. Above the first ten-frame is a box containing the number 4. A blue oval highlights the first ten-frame and the number 4 box. To the right, a hand with 2 fingers is shown, and another ten-frame with 2 dots in the bottom row is shown.

Task 1: A central box contains a hand with 5 fingers. Below it are five ten-frame boxes. The first ten-frame has 5 dots in the top row and 5 dots in the bottom row. To the right, a hand with 2 fingers is shown. A speech bubble from a girl asks: "Welches Bild gehört dazu?"

Task 2: A central box contains a hand with 5 fingers. Below it are five ten-frame boxes. The first ten-frame has 5 dots in the top row and 5 dots in the bottom row. To the right, a hand with 1 finger is shown.

Task 3: A central box contains a hand with 5 fingers. Below it are five ten-frame boxes. The first ten-frame has 5 dots in the top row and 5 dots in the bottom row. To the right, a hand with 1 finger is shown.

Task 4: A central box contains a hand with 5 fingers. Below it are five ten-frame boxes. The first ten-frame has 5 dots in the top row and 5 dots in the bottom row. To the right, a hand with 1 finger is shown.

Task 5: A central box contains a hand with 5 fingers. Below it are five ten-frame boxes. The first ten-frame has 5 dots in the top row and 5 dots in the bottom row. To the right, a hand with 3 fingers is shown.



Markiere zuerst das Ganze. Gesucht ist die richtige Teilmenge. Schreibe sie als Zahl in die Kästchen.

Beispiel



Gesucht ist die Gesamtmenge. Schreibe die Zahl in das Kästchen und kreuze die richtige Zahl ein.

Beispiel

Diagram showing a box with the number 7, with arrows pointing to a hand showing 1 finger and a hand showing 6 fingers. Below this, a row of boxes contains the numbers 9, 8, 6, 10, and 7. The number 7 is circled in blue.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 5 fingers and a hand showing 2 fingers. Below this, a row of boxes contains the numbers 6, 8, 10, 9, and 7.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 3 fingers and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 8, 6, 10, 7, and 9.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 5 fingers and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 7, 9, 10, 6, and 8.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 1 finger and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 9, 8, 6, 10, and 7.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 5 fingers and a hand showing 3 fingers. Below this, a row of boxes contains the numbers 10, 8, 7, 9, and 6.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 3 fingers and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 9, 10, 8, 7, and 6.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 2 fingers and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 9, 8, 6, 7, and 10.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 5 fingers and a hand showing 1 finger. Below this, a row of boxes contains the numbers 10, 8, 6, 7, and 9.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 5 fingers and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 8, 10, 7, 6, and 9.

Diagram showing a box with an empty space, with arrows pointing to a hand showing 5 fingers and a hand showing 5 fingers. Below this, a row of boxes contains the numbers 7, 9, 6, 10, and 8.



Gesucht ist die Gesamtmenge.
Schreibe die Zahl in das Kästchen und kreuze die richtige Zahl ein.

Beispiel

Diagram showing a central box with the number 6, arrows pointing to two boxes with 5 dots each, and a row of boxes containing the numbers 10, 8, 7, 9, and 6. The number 6 is circled.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 6, 8, 10, 9, and 7.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 8, 6, 10, 7, and 9.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 7, 9, 10, 6, and 8.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 9, 8, 6, 10, and 7.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 10, 8, 7, 9, and 6.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 9, 10, 8, 7, and 6.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 9, 8, 6, 7, and 10.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 10, 8, 6, 7, and 9.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 8, 10, 7, 6, and 9.

Diagram with a central box, arrows to two boxes with 5 dots each, and a row of boxes containing the numbers 7, 9, 6, 10, and 8.



Markiere zuerst das Ganze. Gesucht ist die fehlende Teilmenge. Kreise sie ein und schreibe die richtige Zahl in das Kästchen.

Beispiel

Diagram illustrating the example task. A central box contains the number 8, which is circled in green. A pencil icon is positioned above the 8. To the left of the 8 is a box containing the number 5. To the right of the 8 is a hand showing 3 fingers. Below these are five boxes, each containing a hand showing a different number of fingers: 3, 5, 3, 2, and 1. The second box (5 fingers) is circled in blue.

Task 1: A box with a blank space is connected by arrows to a box with the number 8 and a hand showing 5 fingers. Below are five boxes with hands showing 1, 2, 3, 4, and 5 fingers.

Task 2: A box with a blank space is connected by arrows to a box with the number 6 and a hand showing 4 fingers. Below are five boxes with hands showing 4, 5, 3, 2, and 1 fingers.

Task 3: A box with a blank space is connected by arrows to a box with the number 10 and a hand showing 5 fingers. Below are five boxes with hands showing 3, 2, 4, 3, and 1 fingers.

Task 4: A box with a blank space is connected by arrows to a box with the number 7 and a hand showing 5 fingers. Below are five boxes with hands showing 4, 5, 2, 3, and 1 fingers.

Task 5: A box with a blank space is connected by arrows to a box with the number 6 and a hand showing 5 fingers. Below are five boxes with hands showing 1, 5, 4, 3, and 2 fingers.

Task 6: A box with a blank space is connected by arrows to a box with the number 9 and a hand showing 5 fingers. Below are five boxes with hands showing 4, 5, 2, 3, and 1 fingers.

Task 7: A box with a blank space is connected by arrows to a box with the number 8 and a hand showing 3 fingers. Below are five boxes with hands showing 3, 5, 2, 2, and 1 fingers.

Task 8: A box with a blank space is connected by arrows to a box with the number 7 and a hand showing 1 finger. Below are five boxes with hands showing 3, 2, 3, 4, and 1 fingers.

Task 9: A box with a blank space is connected by arrows to a box with the number 9 and a hand showing 5 fingers. Below are five boxes with hands showing 3, 2, 3, 1, and 5 fingers.

Task 10: A box with a blank space is connected by arrows to a box with the number 10 and a hand showing 5 fingers. Below are five boxes with hands showing 1, 3, 2, 4, and 3 fingers.



Markiere zuerst das Ganze. Gesucht ist die fehlende Teilmenge. Kreise sie ein und schreibe die richtige Zahl in das Kästchen.

Beispiel

Diagram illustrating the example problem. A central box contains the number 9, circled in green. Arrows point from this box to a box containing the number 4 and another empty box. Below these are five ten-frames. The first ten-frame has 4 black dots and 6 white dots, and is circled in blue. The other four ten-frames have different combinations of black and white dots.

Problem 1: A central box contains the number 8. Arrows point to an empty box and a ten-frame with 5 black dots. Below are five ten-frames with various dot patterns.

Problem 2: A central box contains the number 6. Arrows point to an empty box and a ten-frame with 2 black dots and 8 white dots. Below are five ten-frames with various dot patterns.

Problem 3: A central box contains the number 10. Arrows point to an empty box and a ten-frame with 5 black dots. Below are five ten-frames with various dot patterns.

Problem 4: A central box contains the number 7. Arrows point to an empty box and a ten-frame with 4 black dots. Below are five ten-frames with various dot patterns.

Problem 5: A central box contains the number 6. Arrows point to an empty box and a ten-frame with 5 black dots. Below are five ten-frames with various dot patterns.

Problem 6: A central box contains the number 9. Arrows point to an empty box and a ten-frame with 5 black dots. Below are five ten-frames with various dot patterns.

Problem 7: A central box contains the number 8. Arrows point to an empty box and a ten-frame with 4 black dots and 6 white dots. Below are five ten-frames with various dot patterns.

Problem 8: A central box contains the number 7. Arrows point to an empty box and a ten-frame with 3 black dots and 7 white dots. Below are five ten-frames with various dot patterns.

Problem 9: A central box contains the number 9. Arrows point to an empty box and a ten-frame with 5 black dots and 5 white dots. Below are five ten-frames with various dot patterns.

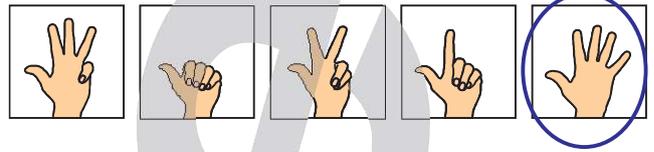
Problem 10: A central box contains the number 10. Arrows point to an empty box and a ten-frame with 5 black dots. Below are five ten-frames with various dot patterns.



Markiere zuerst das Ganze. Gesucht ist die fehlende Teilmenge. Kreise sie ein und schreibe die richtige Zahl in das Kästchen.

Beispiel

$$5 \quad \text{[Hand with 5 fingers]} = \boxed{9} \quad \text{[Pencil icon]}$$



$$\text{[Hand with 5 fingers]} \quad \square = \boxed{8}$$



$$\square \quad \text{[Hand with 2 fingers]} = \boxed{6}$$



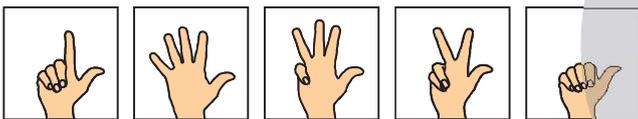
$$\square \quad \text{[Hand with 5 fingers]} = \boxed{10}$$



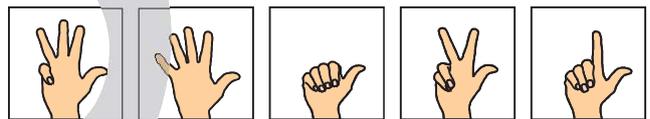
$$\text{[Hand with 5 fingers]} \quad \square = \boxed{7}$$



$$\text{[Hand with 5 fingers]} \quad \square = \boxed{6}$$



$$\text{[Hand with 5 fingers]} \quad \square = \boxed{9}$$



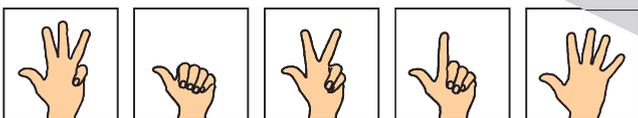
$$\square \quad \text{[Hand with 3 fingers]} = \boxed{8}$$



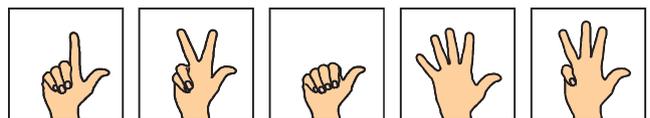
$$\square \quad \text{[Hand with 1 finger]} = \boxed{7}$$



$$\square \quad \text{[Hand with 3 fingers]} = \boxed{9}$$



$$\text{[Hand with 5 fingers]} \quad \square = \boxed{10}$$





Markiere zuerst das Ganze. Gesucht ist die richtige Teilmenge. Kreise sie ein und male die fehlenden Punkte in das Zehnerfeld.

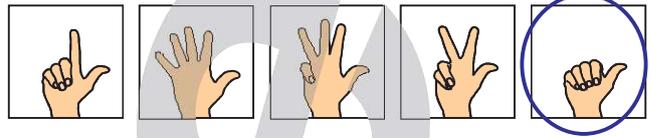
Beispiel



Markiere zuerst das Ganze. Gesucht ist die fehlende Teilmenge. Kreise sie ein und schreibe die richtige Zahl in das Kästchen.

Beispiel

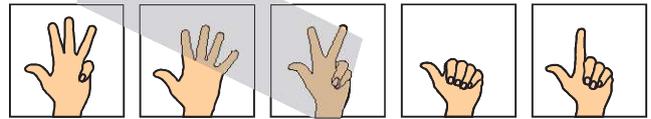
$$5 \quad | \quad \square = 6$$



$$5 \quad | \quad \square = 8$$



$$\square \quad | \quad 1 = 6$$



$$\square \quad | \quad 5 = 10$$



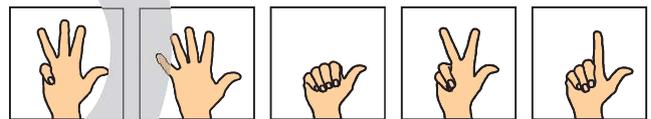
$$5 \quad | \quad \square = 7$$



$$5 \quad | \quad \square = 6$$



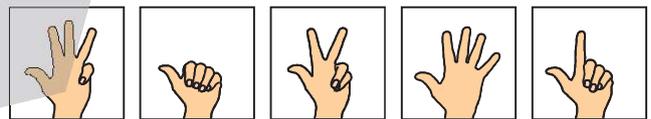
$$5 \quad | \quad \square = 9$$



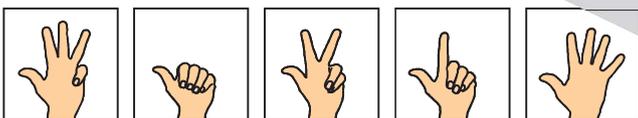
$$\square \quad | \quad 3 = 8$$



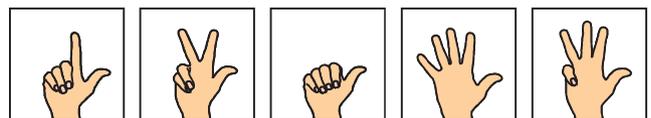
$$\square \quad | \quad 2 = 7$$



$$\square \quad | \quad 4 = 9$$



$$5 \quad | \quad \square = 10$$





Markiere zuerst das Ganze. Ergänze die fehlende Menge und kreuze die richtige Zahl ein.

Beispiel

Diagram showing a whole (10) being split into two parts (6 and 4). A box with 7 dots is highlighted in green, and the number 7 is circled in blue in the list below.

8 6 10 7 9

Diagram: A hand icon next to a box with a vertical line, followed by an equals sign and a box containing the number 8.

- 2 3 1 5 4

Diagram: A box with 6 dots, a central empty box, and a box with 4 dots, with arrows pointing from the central box to the two side boxes.

- 8 6 10 7 9

Diagram: A central box with the number 10, and two empty boxes on either side with arrows pointing from the 10 box to the empty boxes.

- 4 1 5 3 2

Diagram: A hand icon showing one finger, a central empty box, and a hand icon showing five fingers, with arrows pointing from the central box to the two hand icons.

- 9 8 6 10 7

Diagram: A box with 5 dots, a central empty box, and a box with 4 dots, with arrows pointing from the central box to the two side boxes.

- 10 8 7 9 6

Diagram: A box with the number 5, a vertical line, followed by an equals sign and a box containing the number 9.

- 4 5 1 3 2

Diagram: A hand icon showing two fingers, a central empty box, and a hand icon showing five fingers, with arrows pointing from the central box to the two hand icons.

- 9 8 6 7 10

Diagram: A box with 5 dots, a box with 2 dots, followed by an equals sign and a box containing the number 7.

- 4 1 3 5 2

Diagram: A central box with the number 9, and two empty boxes on either side with arrows pointing from the 9 box to the empty boxes.

- 4 1 3 2 5

Diagram: A hand icon showing five fingers, a central empty box, and a hand icon showing five fingers, with arrows pointing from the central box to the two hand icons.

- 7 9 6 10 8



Markiere zuerst das Ganze. Ergänze die fehlende Menge und kreise die richtige Zahl ein.

Beispiel

$$\begin{array}{|c|c|} \hline \dots & \text{Hand} \\ \hline \end{array} = \boxed{6}$$

4 5 3 1 2

$\begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \leftarrow \begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \bullet \bullet \bullet \bullet \text{ } \text{ } \\ \hline \end{array}$
 6 8 10 9 7

$\begin{array}{|c|c|} \hline \text{ } & \text{Hand} \\ \hline \end{array} = \boxed{6}$
 4 5 3 1 2

$\begin{array}{|c|} \hline \text{Hand} \\ \hline \end{array} \leftarrow \begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \text{Hand} \\ \hline \end{array}$
 7 9 10 6 8

$\begin{array}{|c|} \hline \bullet \bullet \bullet \bullet \bullet \bullet \\ \hline \end{array} = \boxed{7}$
 4 5 1 3 2

$\begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \leftarrow \boxed{6} \rightarrow \begin{array}{|c|} \hline \text{Hand} \\ \hline \end{array}$
 2 5 4 3 1

$\begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \leftarrow \boxed{9} \rightarrow \begin{array}{|c|} \hline \bullet \bullet \bullet \bullet \bullet \\ \hline \end{array}$
 4 5 1 3 2

$\begin{array}{|c|} \hline \bullet \bullet \bullet \bullet \text{ } \text{ } \\ \hline \end{array} \leftarrow \begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \bullet \bullet \bullet \bullet \bullet \\ \hline \end{array}$
 9 8 6 7 10

$\begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \leftarrow \boxed{7} \rightarrow \boxed{2}$
 4 1 3 5 2

$\begin{array}{|c|} \hline \text{Hand} \\ \hline \end{array} \leftarrow \begin{array}{|c|} \hline \text{ } \\ \hline \end{array} \rightarrow \begin{array}{|c|} \hline \text{Hand} \\ \hline \end{array}$
 8 10 7 6 9

$\boxed{5} \mid \text{ } = \boxed{10}$
 2 3 1 5 4

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