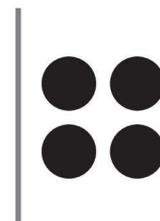
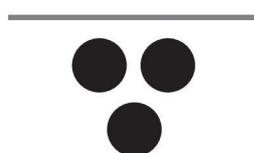
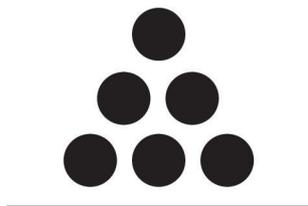
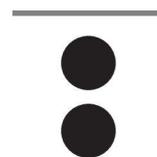
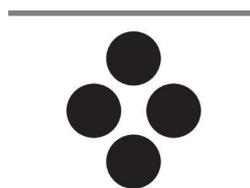
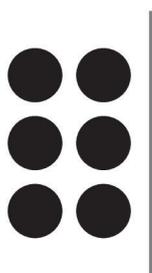
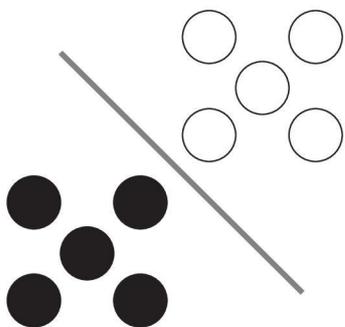


Verdoppeln mit dem Spiegel (1)



Verdoppeln mit dem Spiegel (2)



1



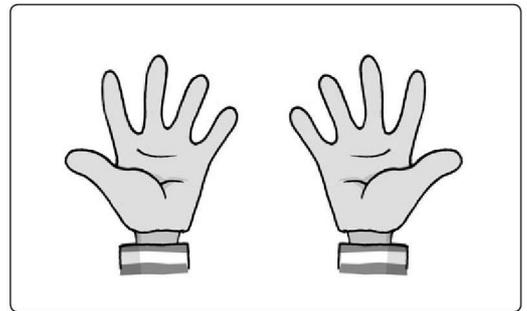
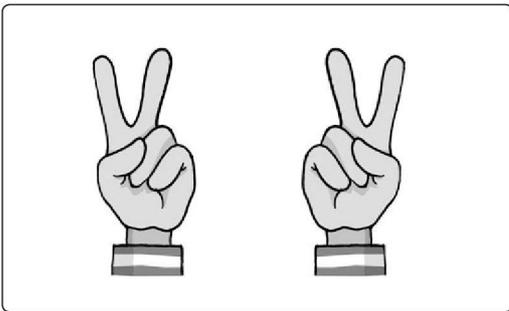
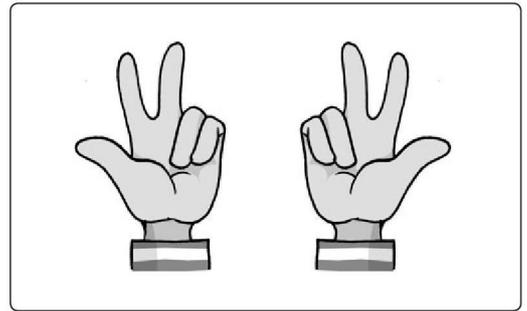
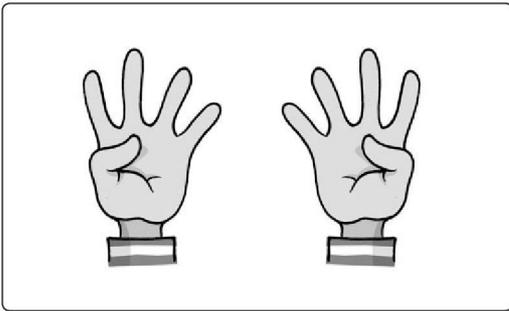
A large grid containing 12 dot patterns for doubling exercises. Each pattern consists of a set of dots and a mirror line. The goal is to draw the mirrored set of dots to double the original pattern.

- Pattern 1:** 5 black dots (two columns of 2, one dot in between) and a diagonal mirror line from top-left to bottom-right.
- Pattern 2:** 5 white dots (two columns of 2, one dot in between) and a vertical mirror line.
- Pattern 3:** 6 black dots (two columns of 3) and a horizontal mirror line.
- Pattern 4:** 5 black dots (two columns of 2, one dot in between) and a diagonal mirror line from bottom-left to top-right.
- Pattern 5:** 7 black dots (two columns of 3, one dot in between) and a vertical mirror line.
- Pattern 6:** 7 black dots (two columns of 3, one dot in between) and a horizontal mirror line.
- Pattern 7:** 4 black dots (two columns of 2) and a horizontal mirror line.
- Pattern 8:** 5 black dots (two columns of 2, one dot in between) and a horizontal mirror line.
- Pattern 9:** 5 black dots (two columns of 2, one dot in between) and a horizontal mirror line.
- Pattern 10:** 5 black dots (two columns of 2, one dot in between) and a horizontal mirror line.
- Pattern 11:** 5 black dots (two columns of 2, one dot in between) and a diagonal mirror line from top-left to bottom-right.
- Pattern 12:** 5 black dots (two columns of 2, one dot in between) and a horizontal mirror line.

Verdoppeln mit Fingerbildern (1)



1 



2    

1. Ergebnis der Verdopplung notieren
2. Verdoppelungsaufgaben finden und im Heft notieren

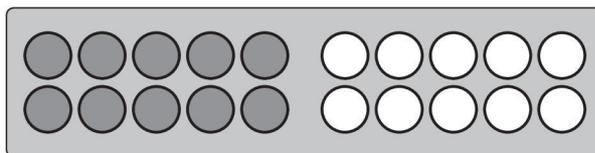
Verdoppeln mit Fingerbildern (2)

			Verdoppelungsaufgabe	Ergebnis
1			<input type="text"/> + <input type="text"/>	<input type="text"/>
2			<input type="text"/> + <input type="text"/>	<input type="text"/>
3			<input type="text"/> + <input type="text"/>	<input type="text"/>
4			<input type="text"/> + <input type="text"/>	<input type="text"/>
5			<input type="text"/> + <input type="text"/>	<input type="text"/>

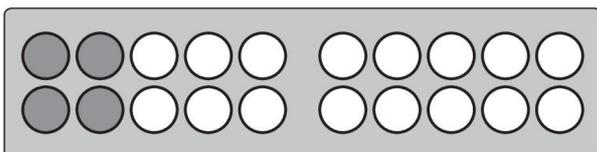
- 1 
- 2 

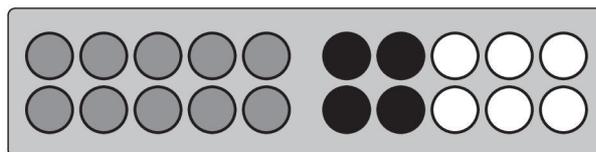
Verdoppelungsaufgaben im Zwanzigerfeld (1)



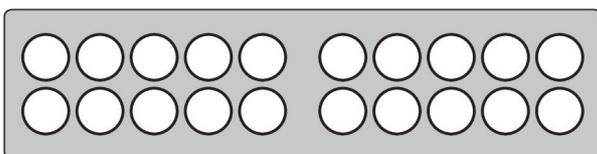
$$5 + 5 = \square$$



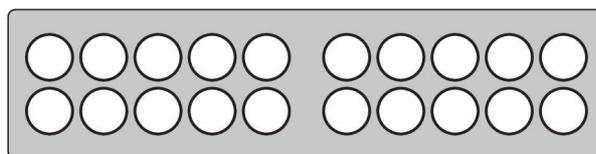
$$2 + 2 = \square$$



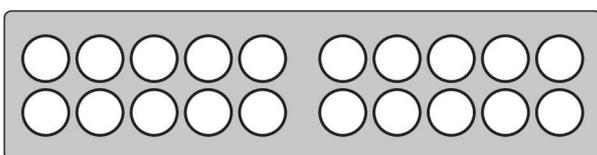
$$7 + 7 = \square$$



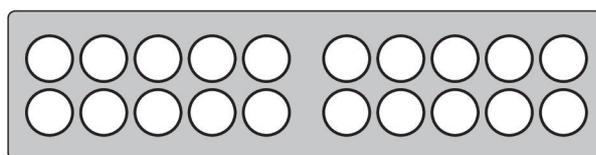
$$1 + 1 = \square$$



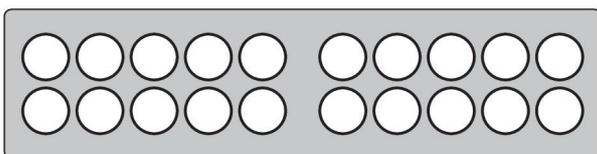
$$6 + 6 = \square$$



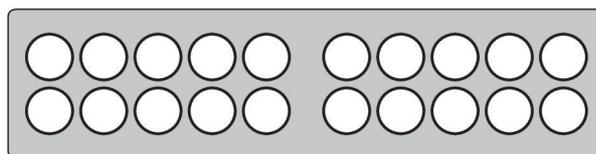
$$3 + 3 = \square$$



$$8 + 8 = \square$$



$$4 + 4 = \square$$

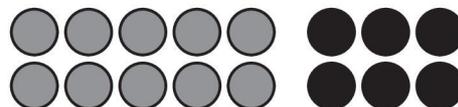
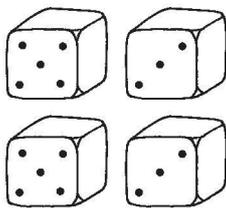
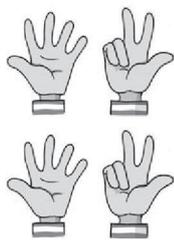


$$9 + 9 = \square$$

Verdoppelungsaufgaben im Zwanzigertfeld (2)

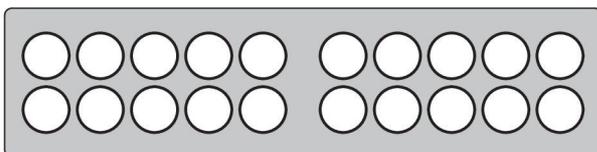
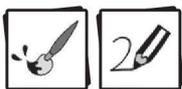


1

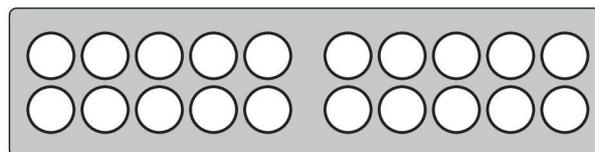


Wie rechnest du einfach?

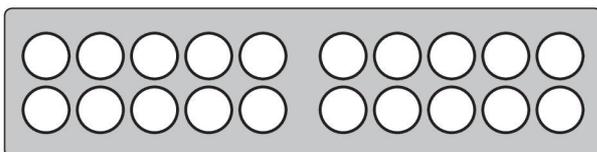
2



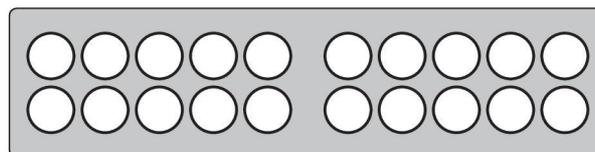
$$5 + 5 = \square$$



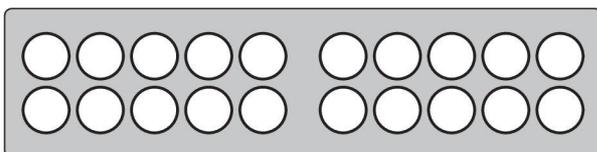
$$8 + 8 = \square$$



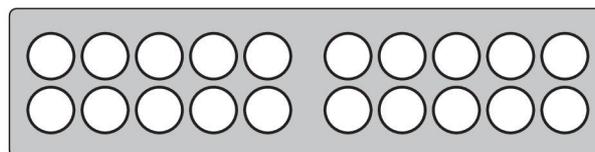
$$9 + 9 = \square$$



$$10 + 10 = \square$$



$$7 + 7 = \square$$

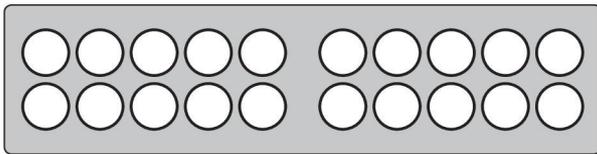


$$6 + 6 = \square$$

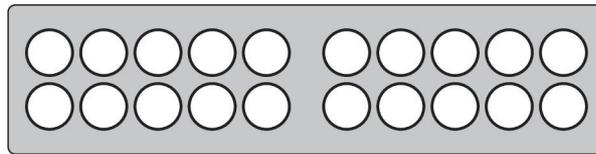
Verdoppelungsaufgaben im Zwanzigerfeld (3)



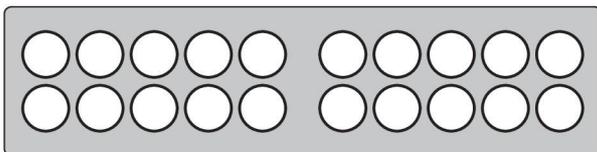
1   



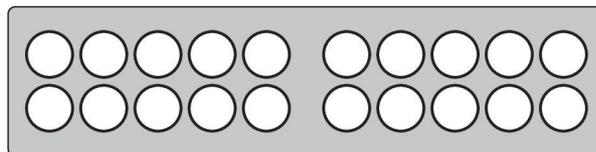
$$\square + \square = 4$$



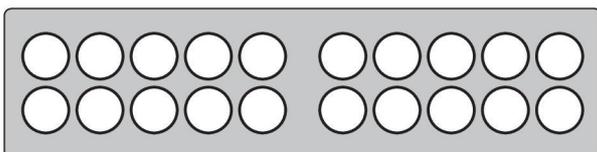
$$\square + \square = 6$$



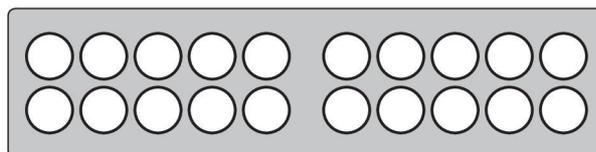
$$\square + \square = 14$$



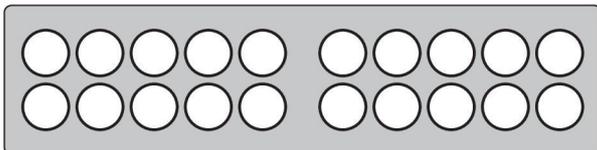
$$\square + \square = 12$$



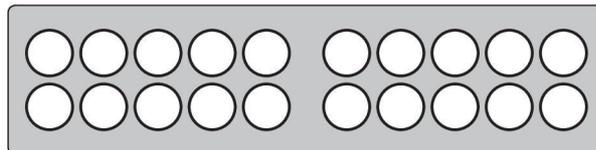
$$\square + \square = 20$$



$$\square + \square = 18$$



$$\square + \square = 10$$



$$\square + \square = 16$$

2  

$$3 + 3 = \square$$

$$6 + 6 = \square$$

$$\square + \square = \square$$

$$4 + 4 = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

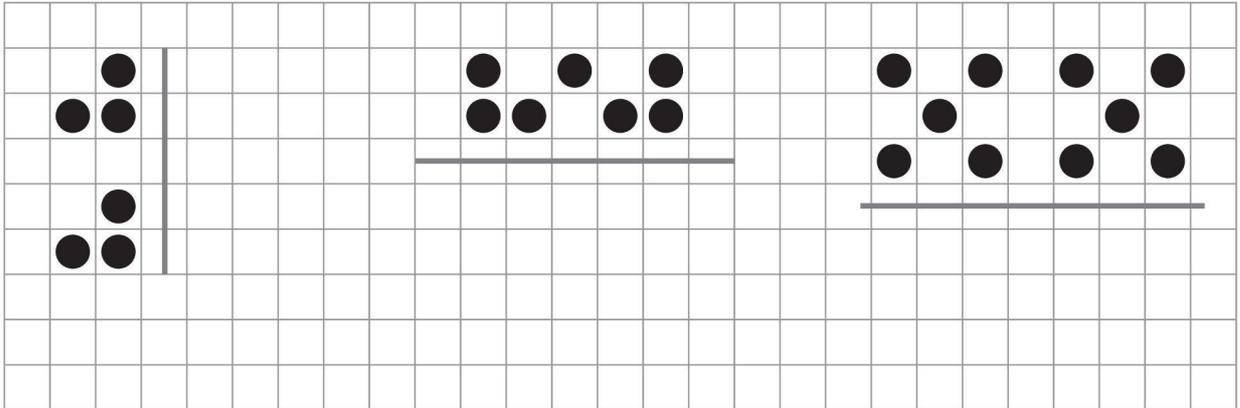
$$5 + 5 = \square$$

$$\square + \square = \square$$

$$\square + \square = \square$$

Verdoppelungsaufgaben (1)

1



2



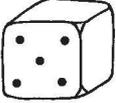
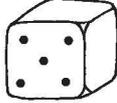
2			

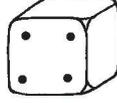
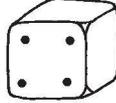
Ellen Kraft: Rechenstrategien im Zahlenraum bis 20 trainieren © Persen Verlag

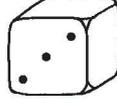
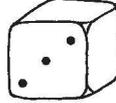
1. Spiegelpunkt zeichnen
2. Aufgabe mit der Verdoppelungsaufgabe verbinden, Ergebnis aufschreiben

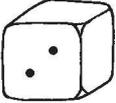
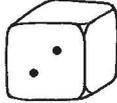
Verdoppelungsaufgaben (2)

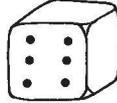
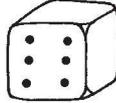
1 

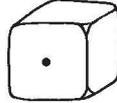
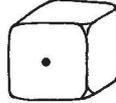
 
 + =

 
 + =

 
 + =

 
 + =

 
 + =

 
 + =

2  

 
 + =

 
 + =

 
 + =

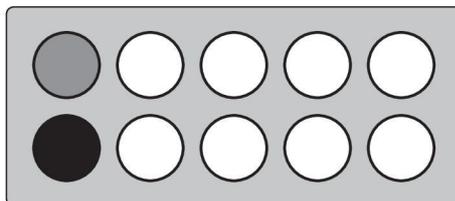
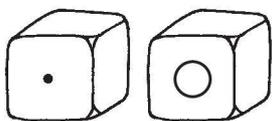


+ =

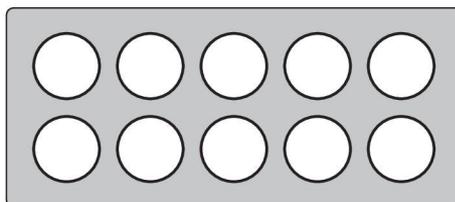
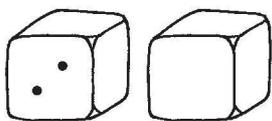
+ =

Verdoppelungsaufgaben im Zehnerfeld (1)

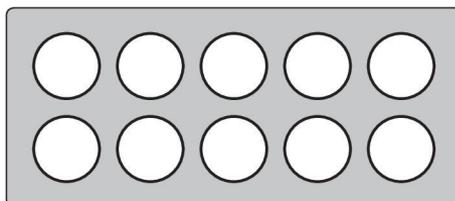
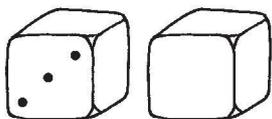
1  



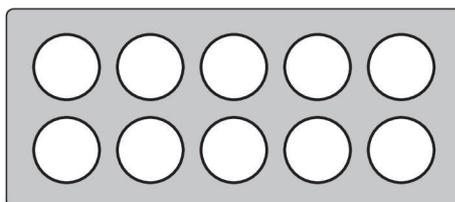
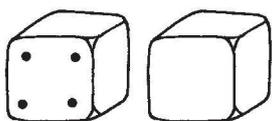
$$1 + 1 = \square$$



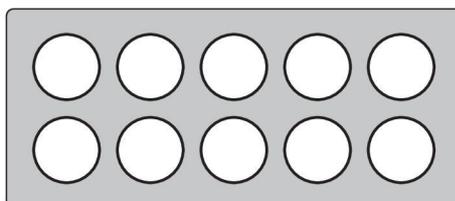
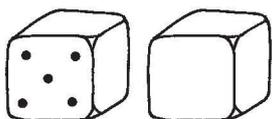
$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$



$$\square + \square = \square$$

Verdoppelungsaufgaben im Zehnerfeld (2)



1		$1 + 1$	
2		$\square + \square$	
3		$\square + \square$	
4		$\square + \square$	
5		$\square + \square$	



$\square + \square = \square$					