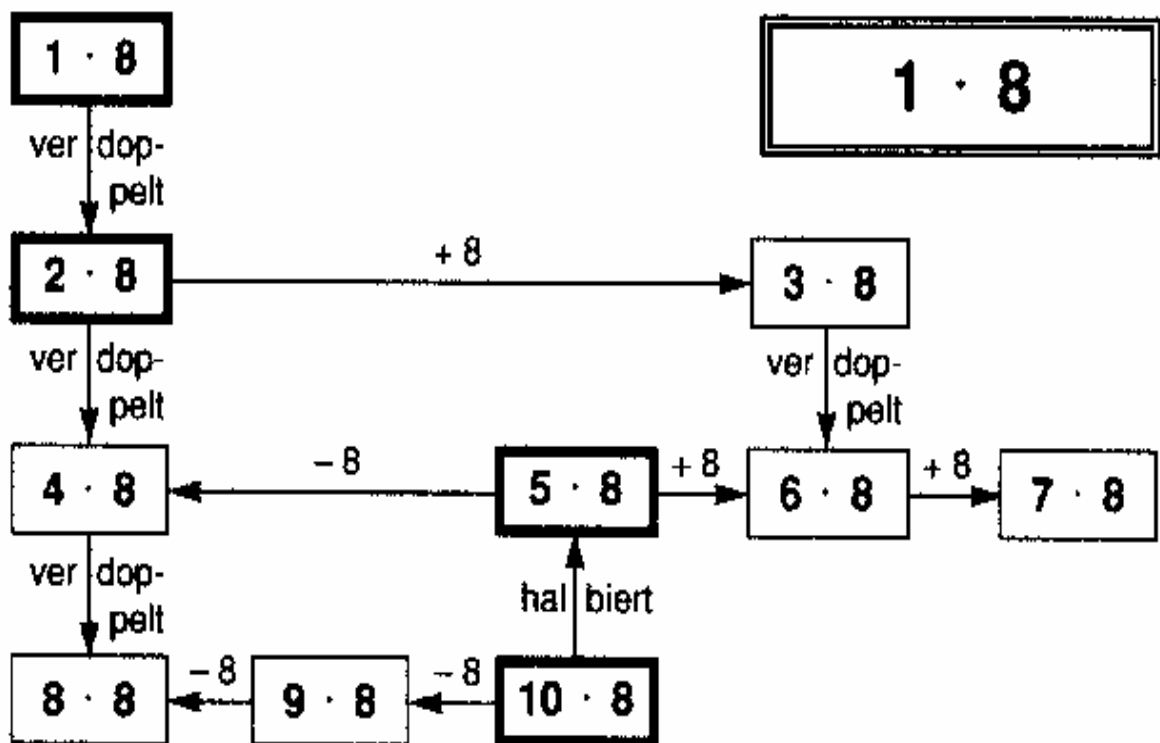


Stellenwert von Muster- und Strukturerkennung

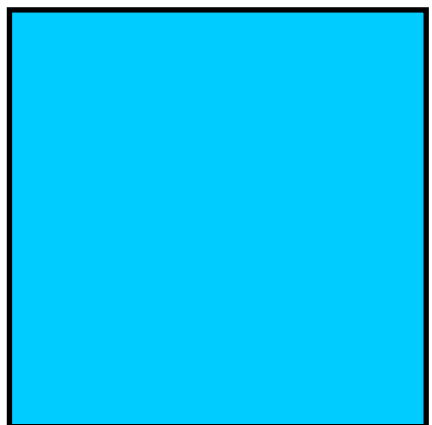
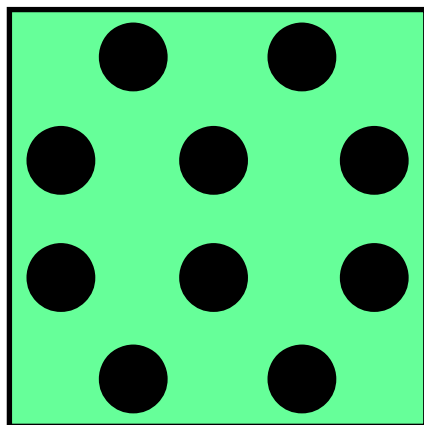
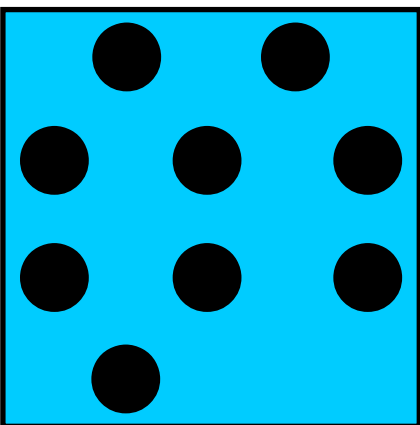
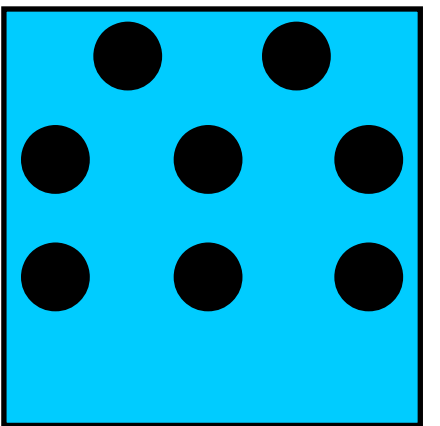
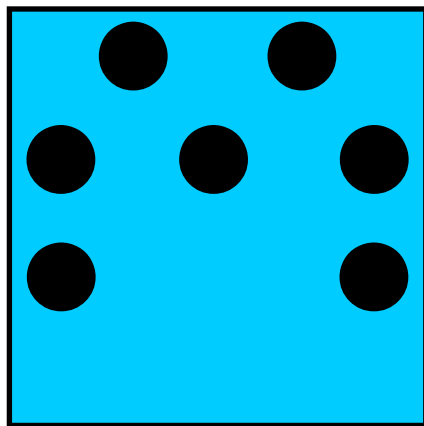
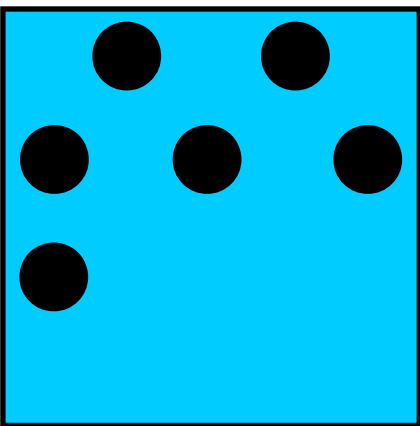
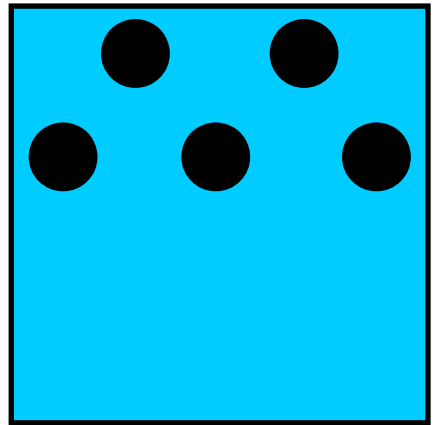
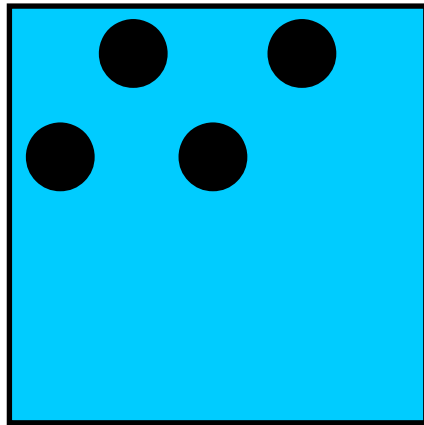
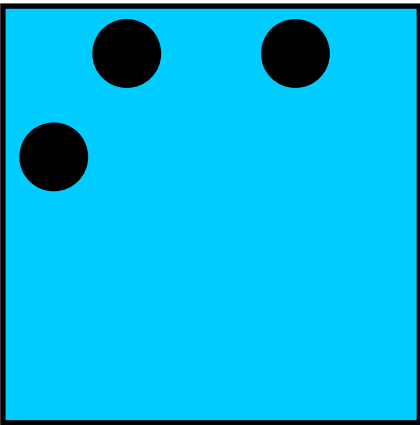
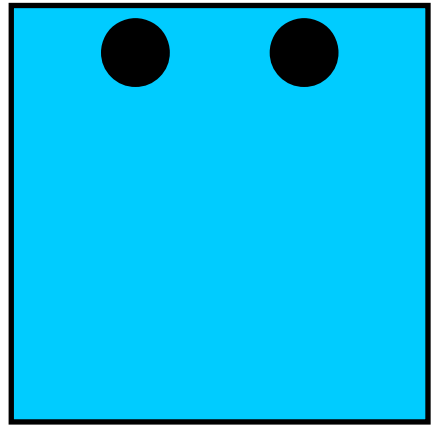
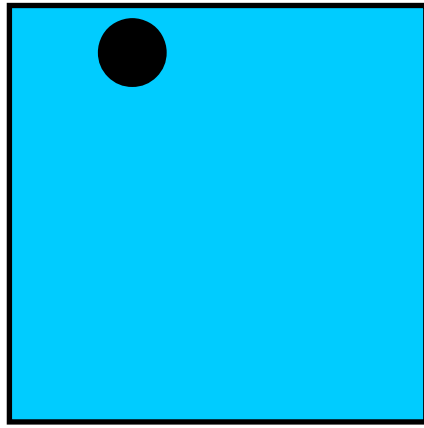
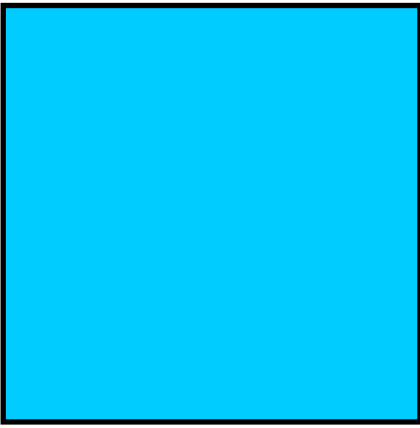
Muster- und Strukturerkennung

- vereinfacht die Wahrnehmung
- reduziert die Informationsmenge
- erhöht die Gedächtniskapazität
- erhöht das Lerntempo
- steigert die Verarbeitungsgeschwindigkeit
- induziert schneller neue Verknüpfungen

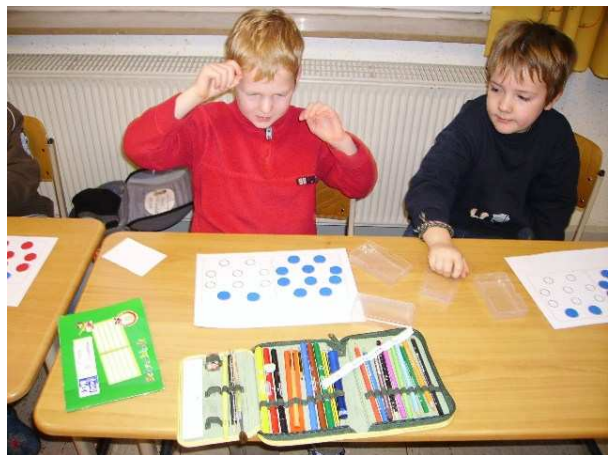
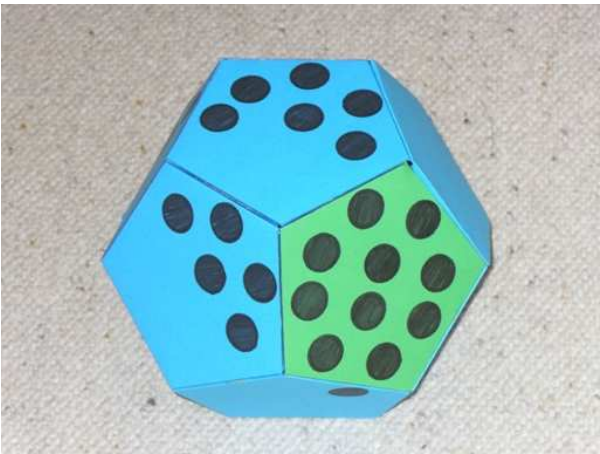
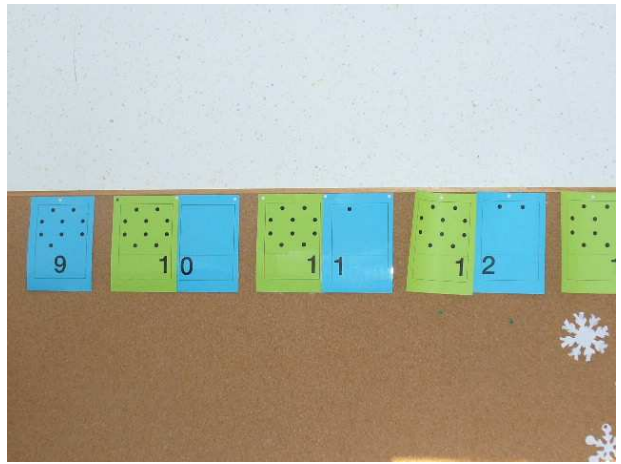
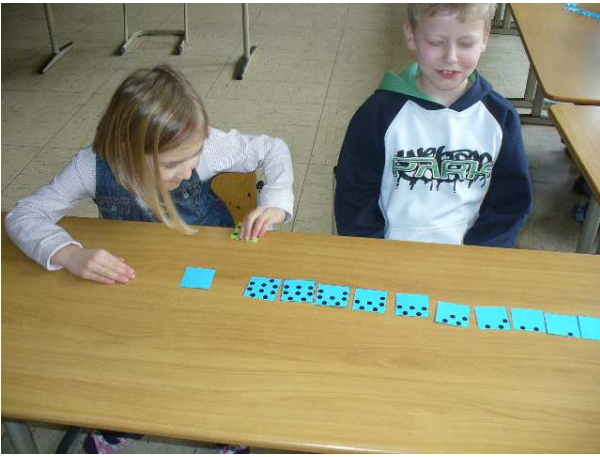
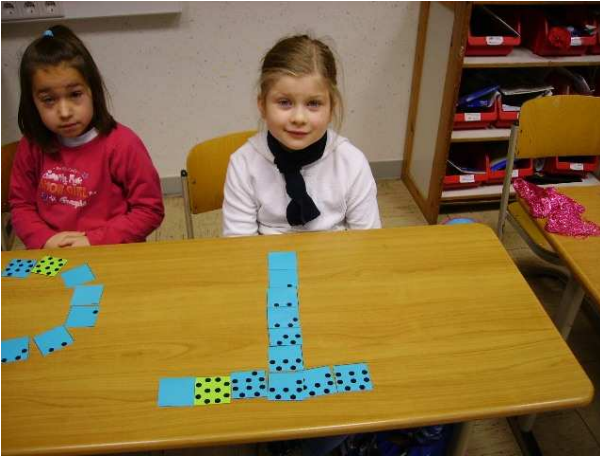
Beispiel: Beziehung zwischen 1x1-Aufgaben



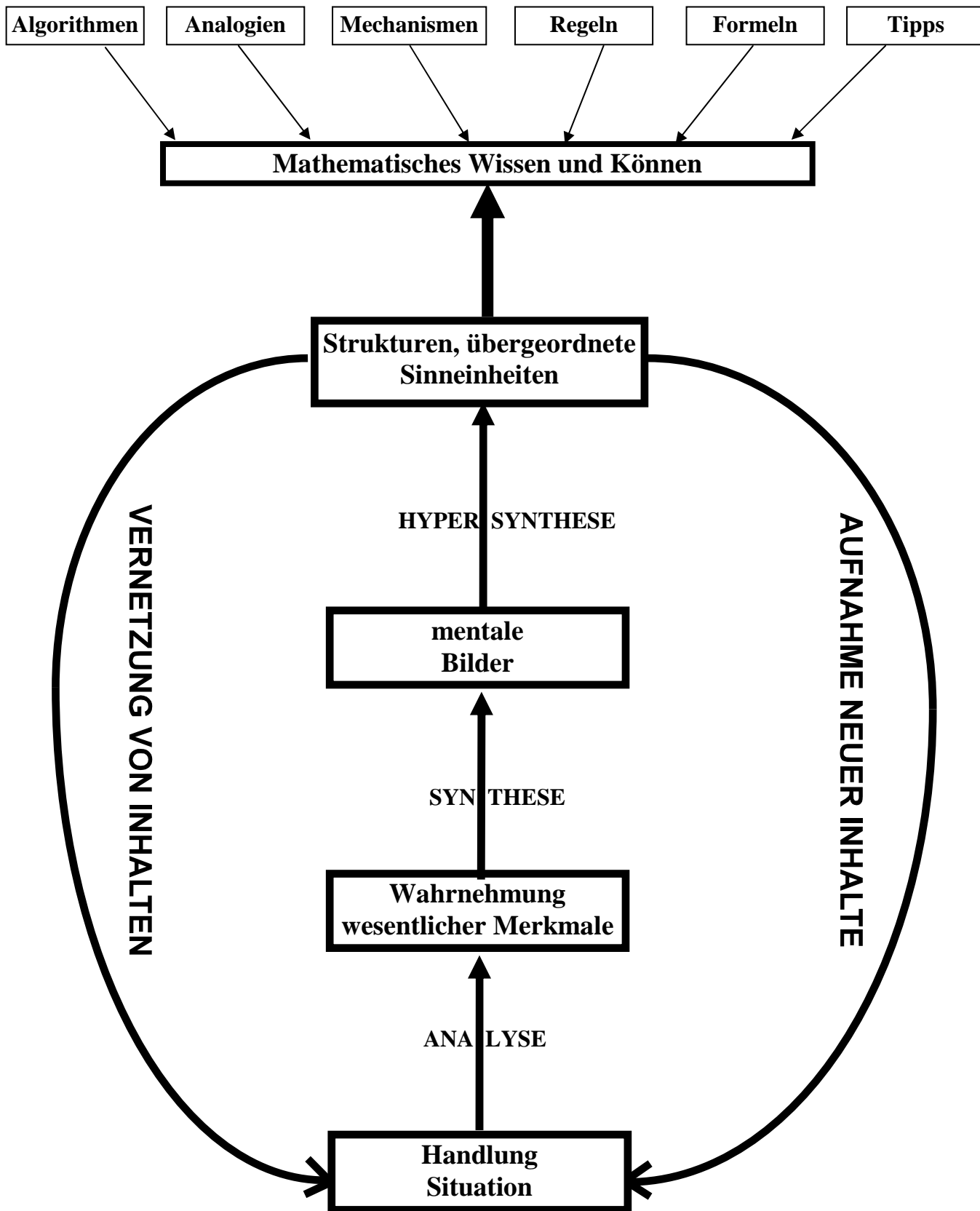
Einermuster



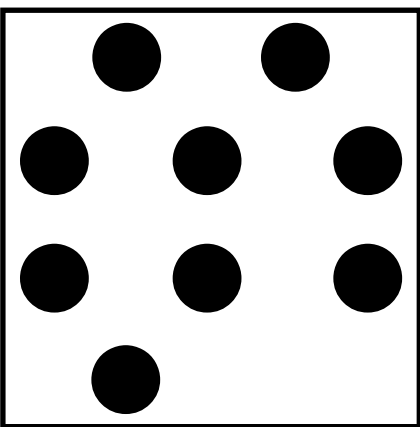
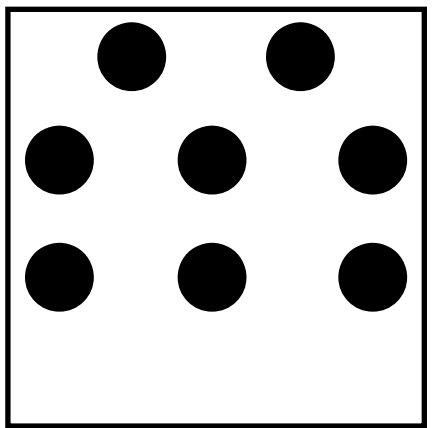
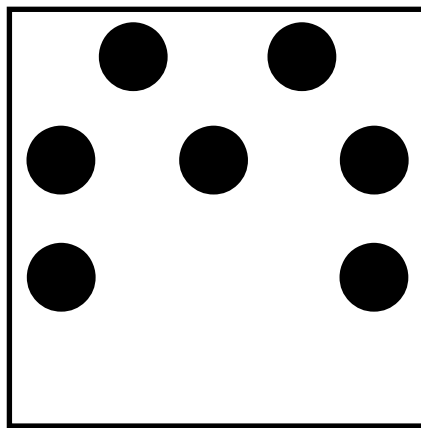
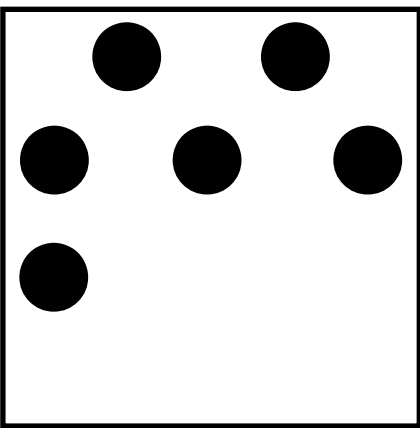
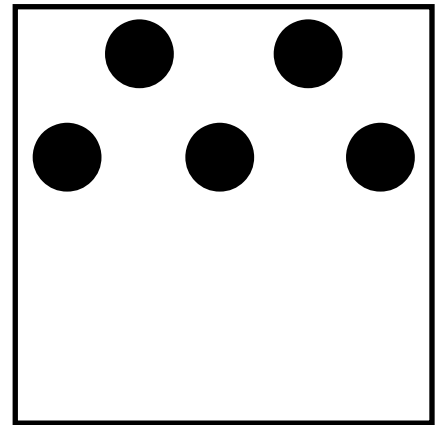
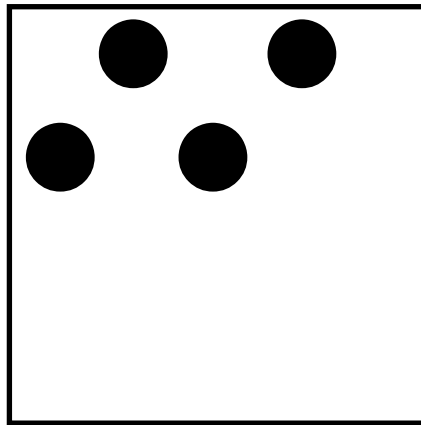
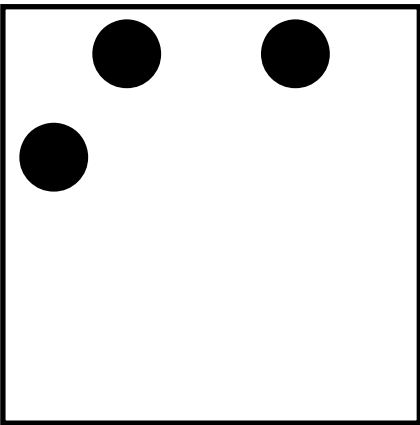
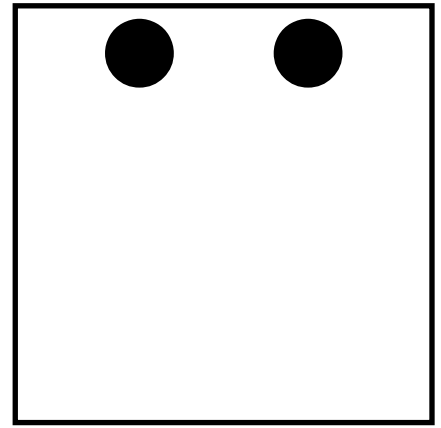
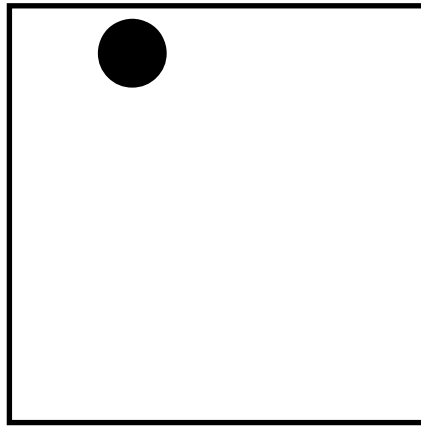
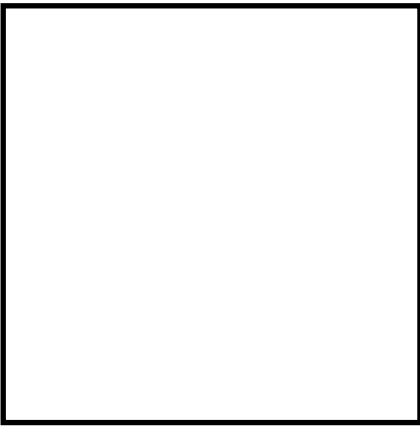
Arbeit mit den Punktmustern













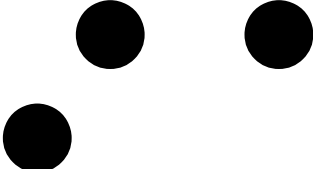
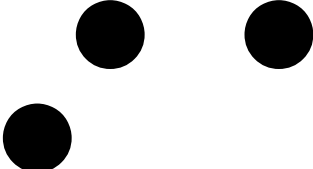
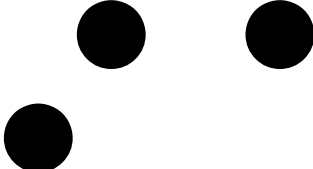


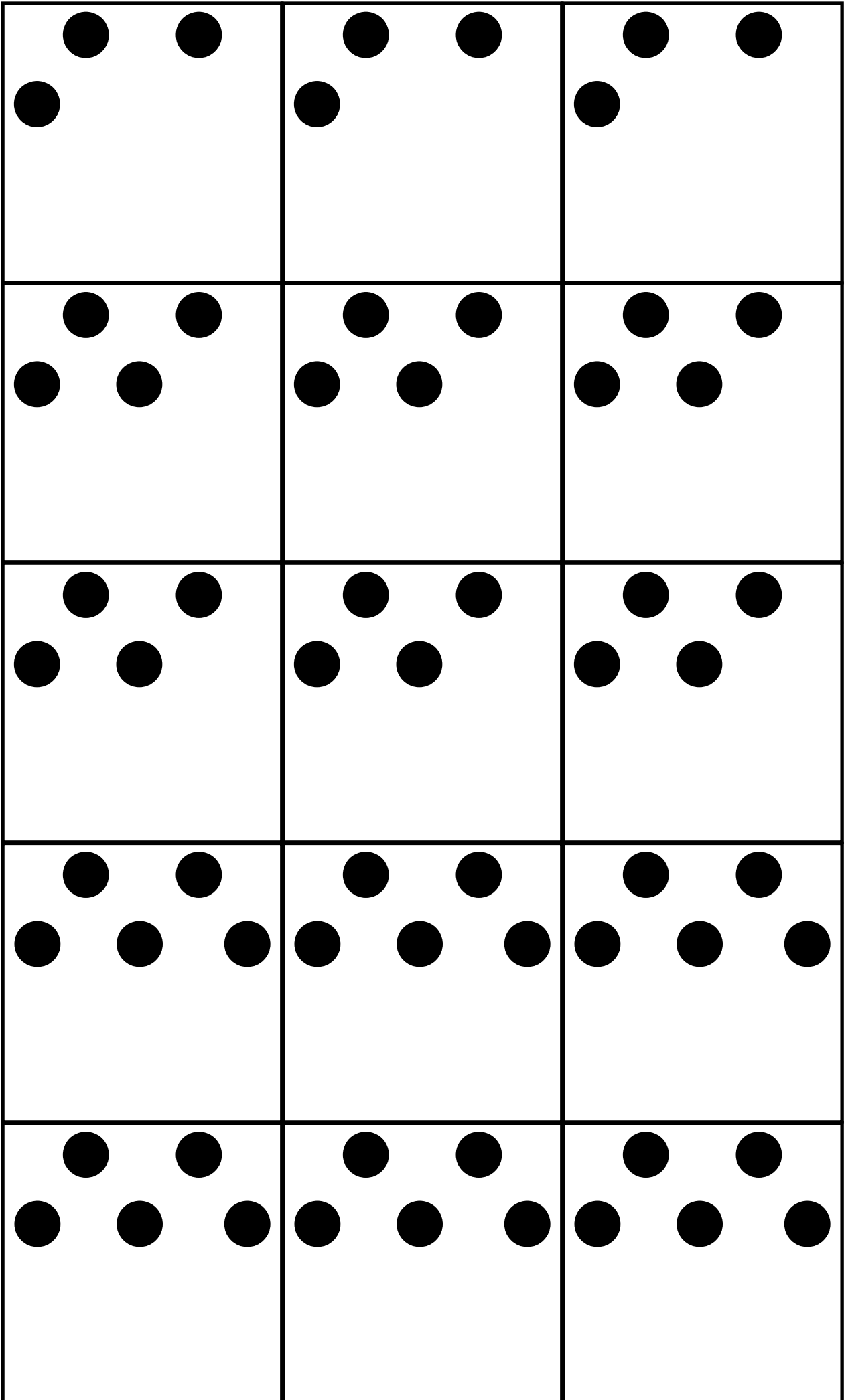
Lernmodell

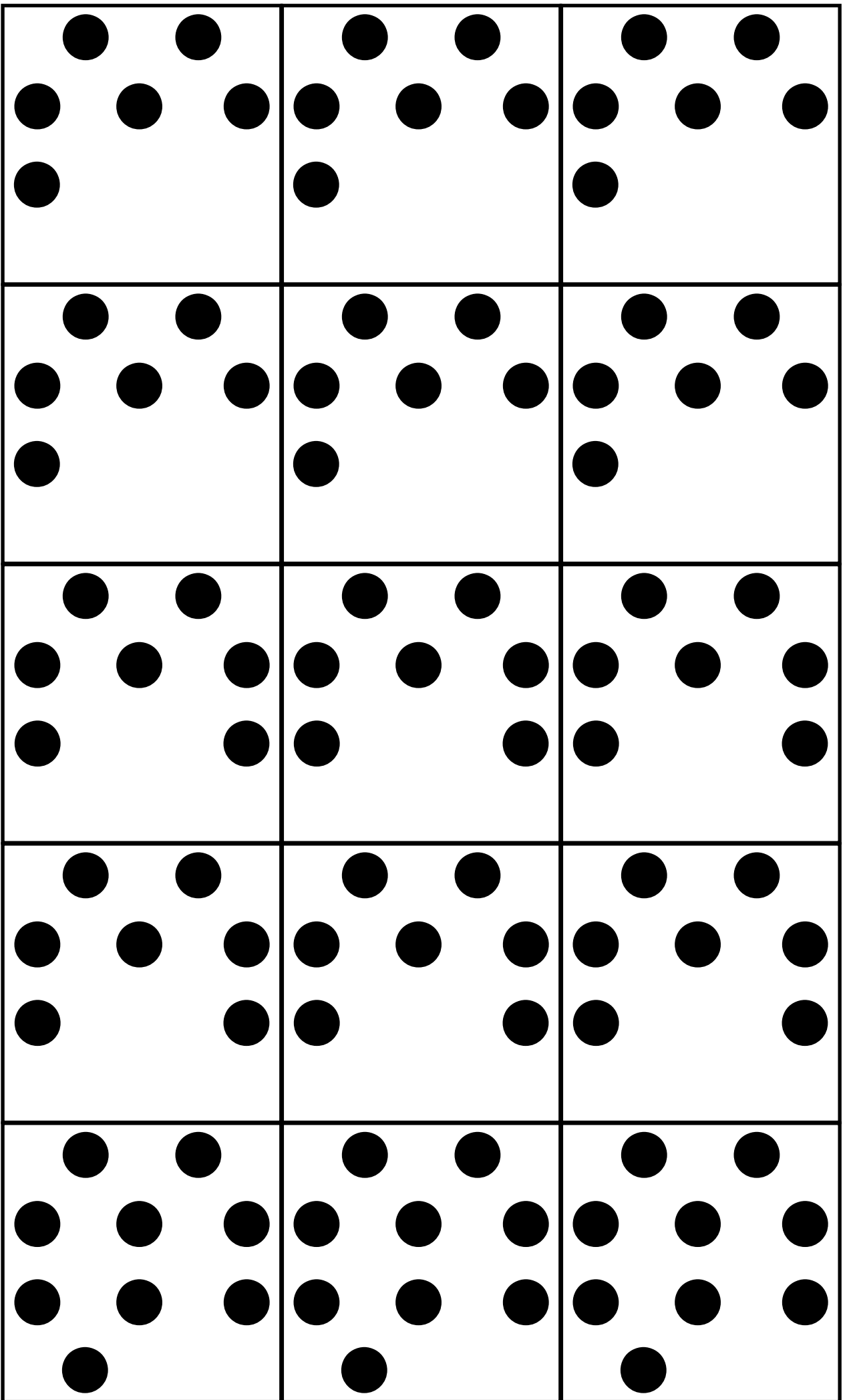


Punktmusterkarten- Kopiervorlagen



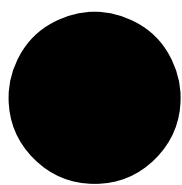
		
		
		
		
		



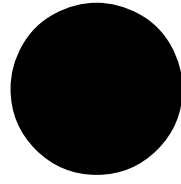
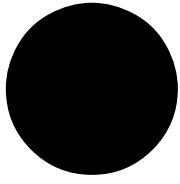


Wandkarten - Kopiervorlagen

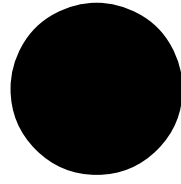
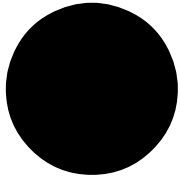
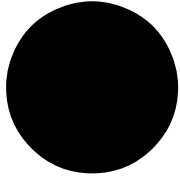
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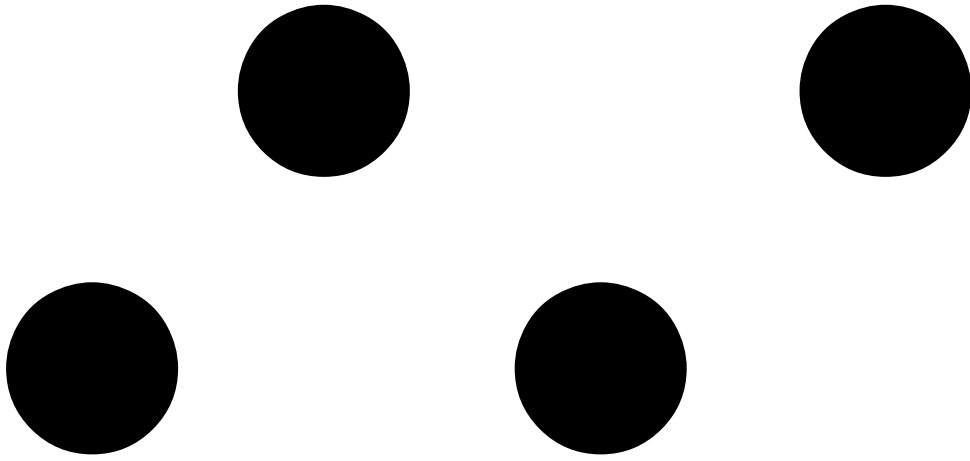
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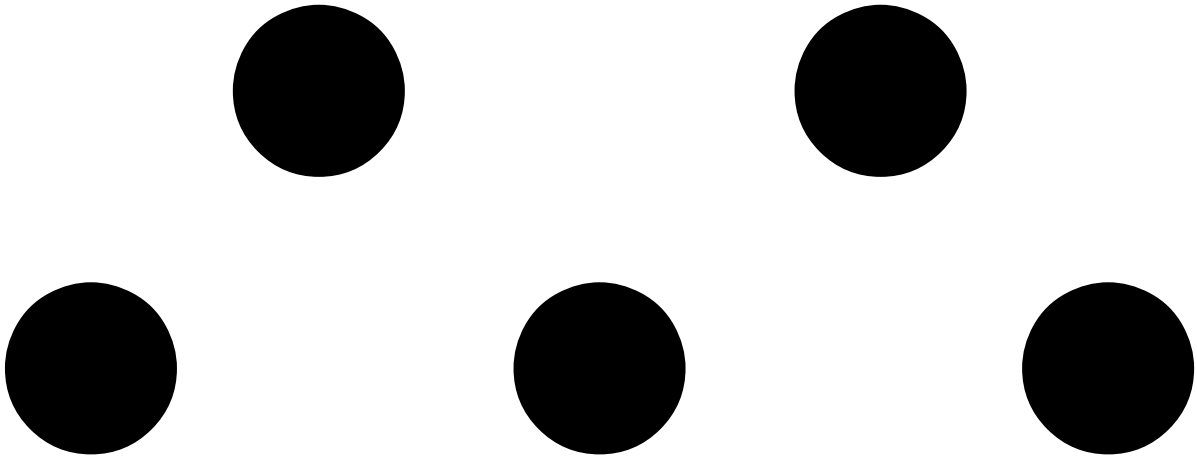
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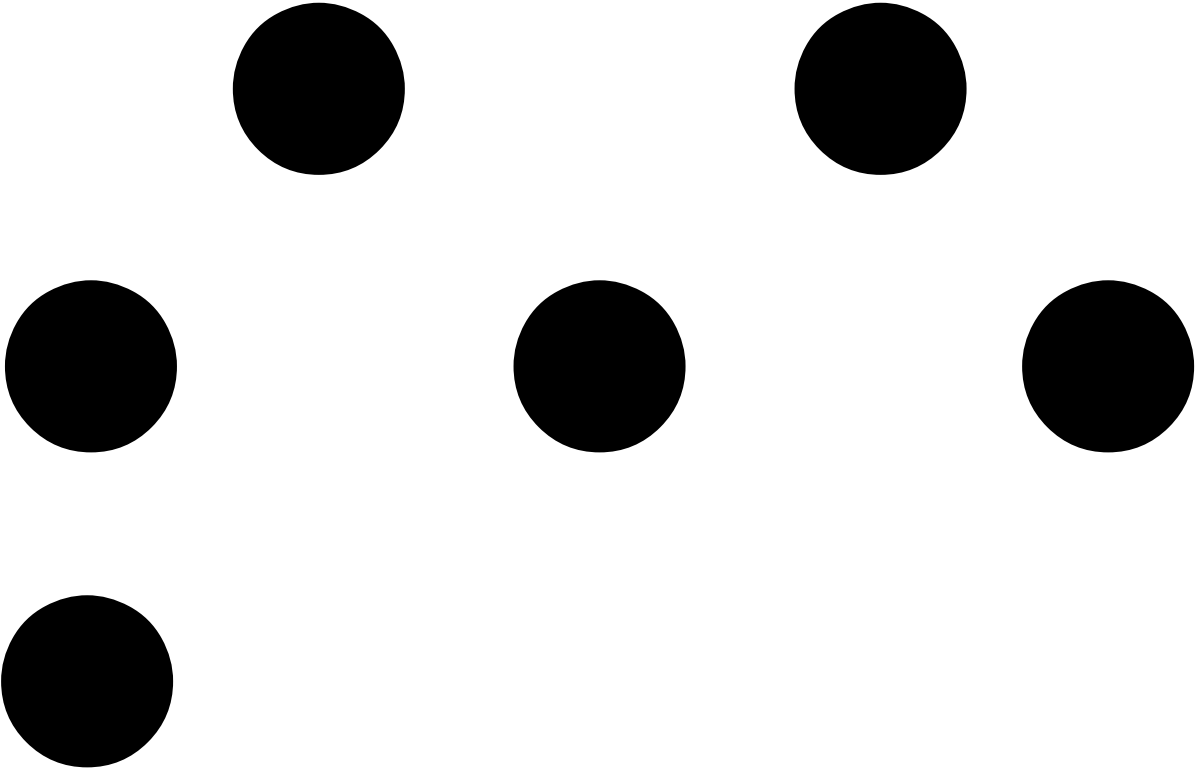
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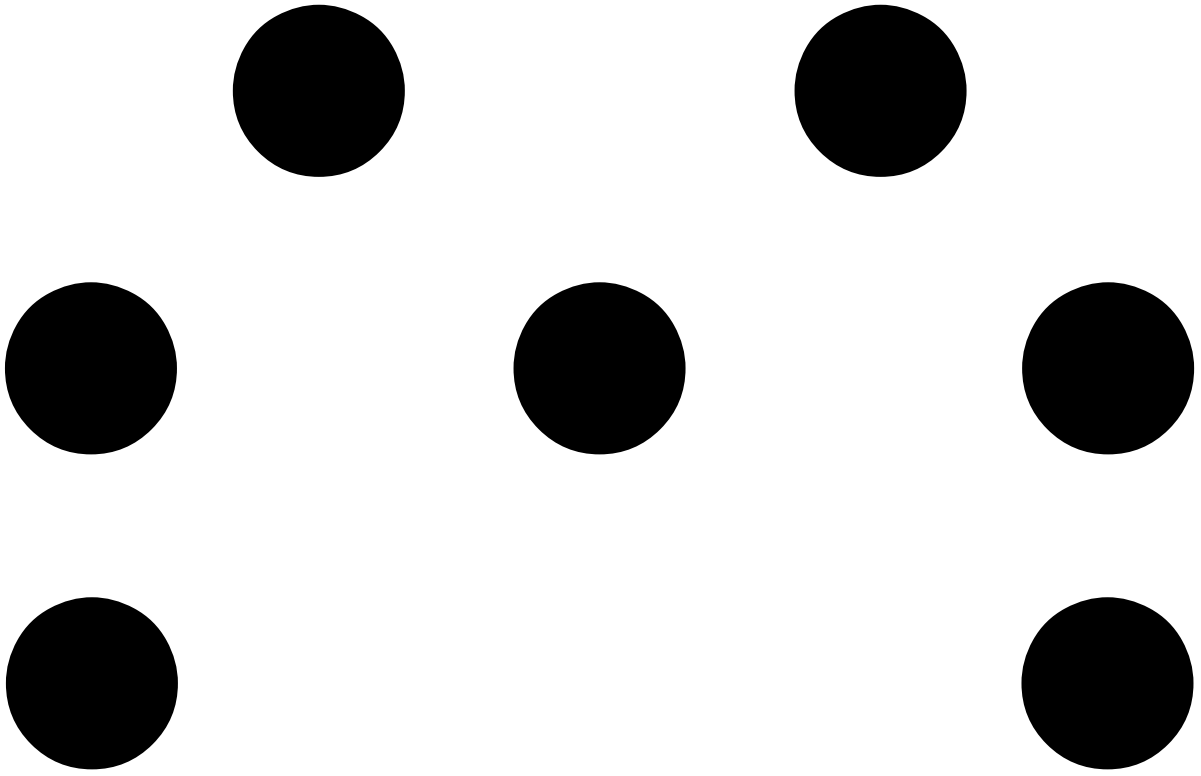
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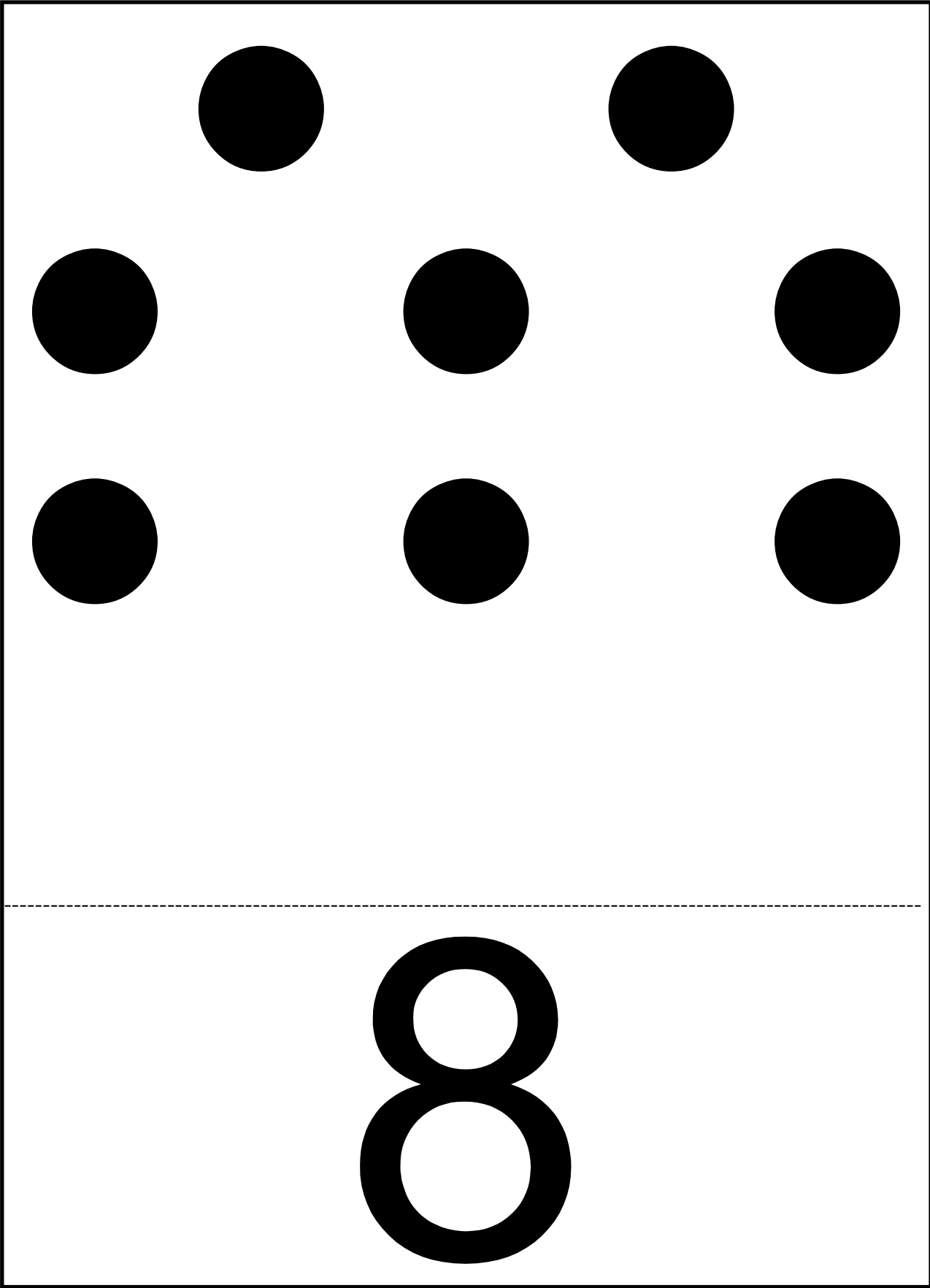
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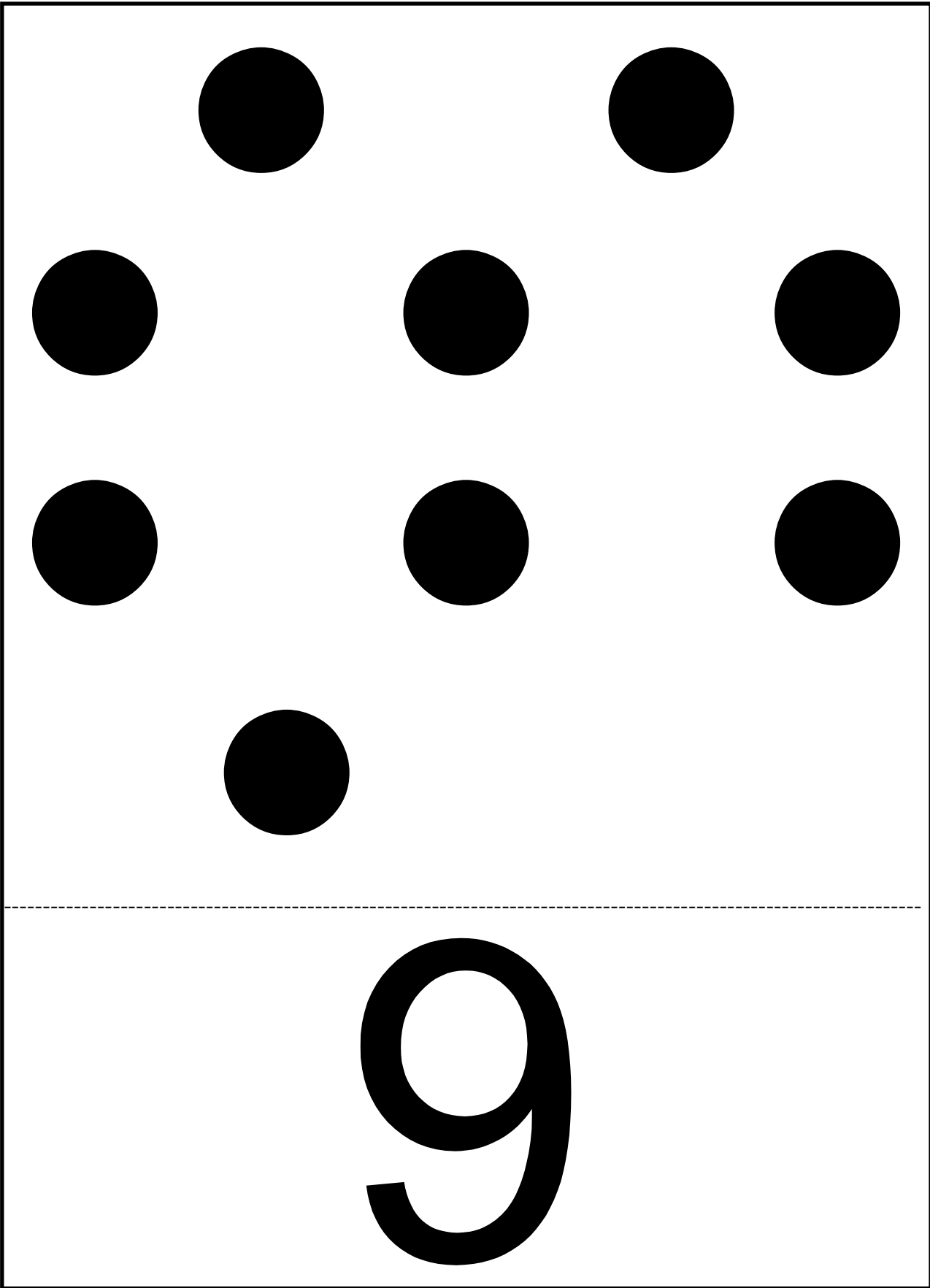


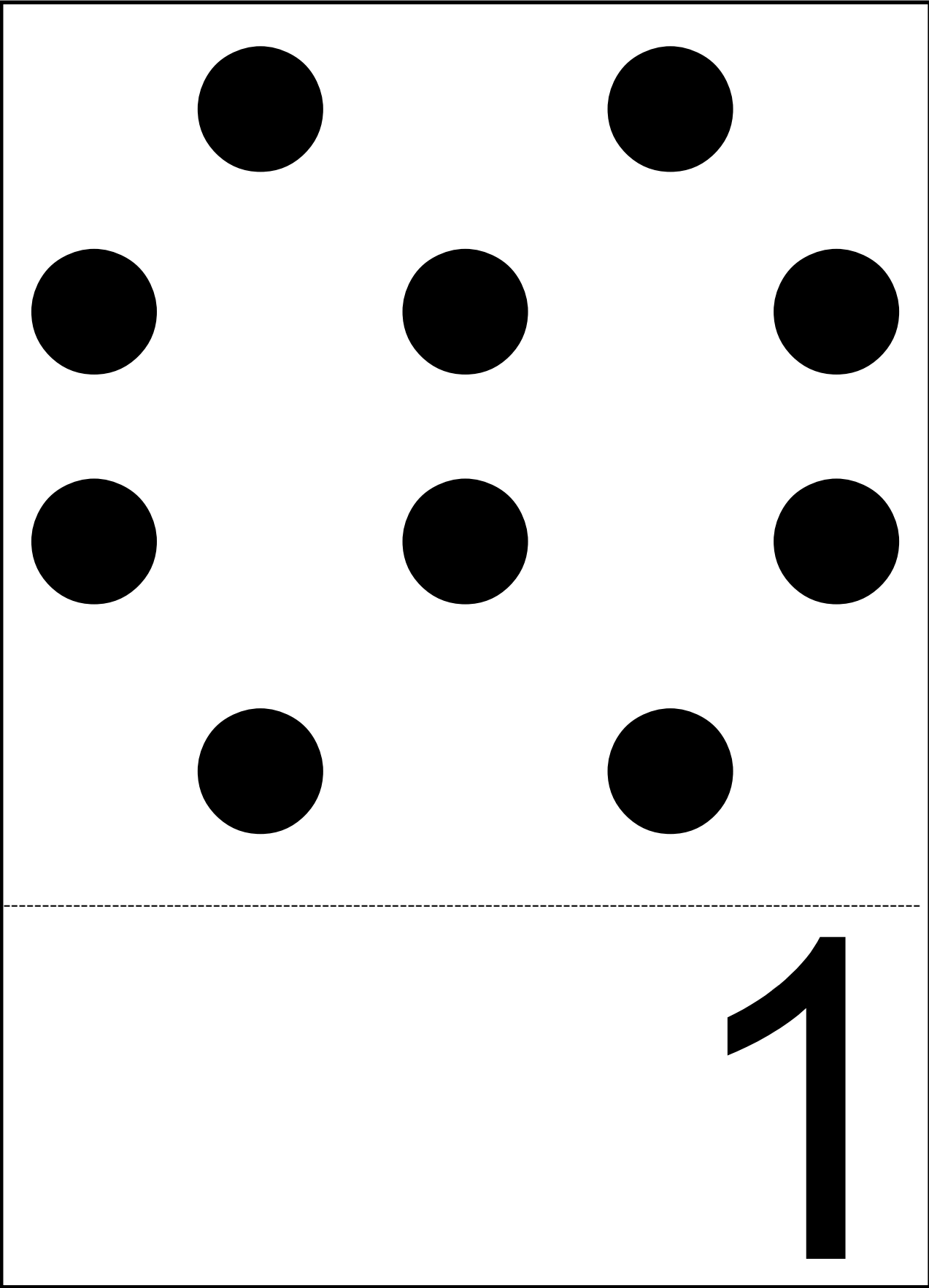
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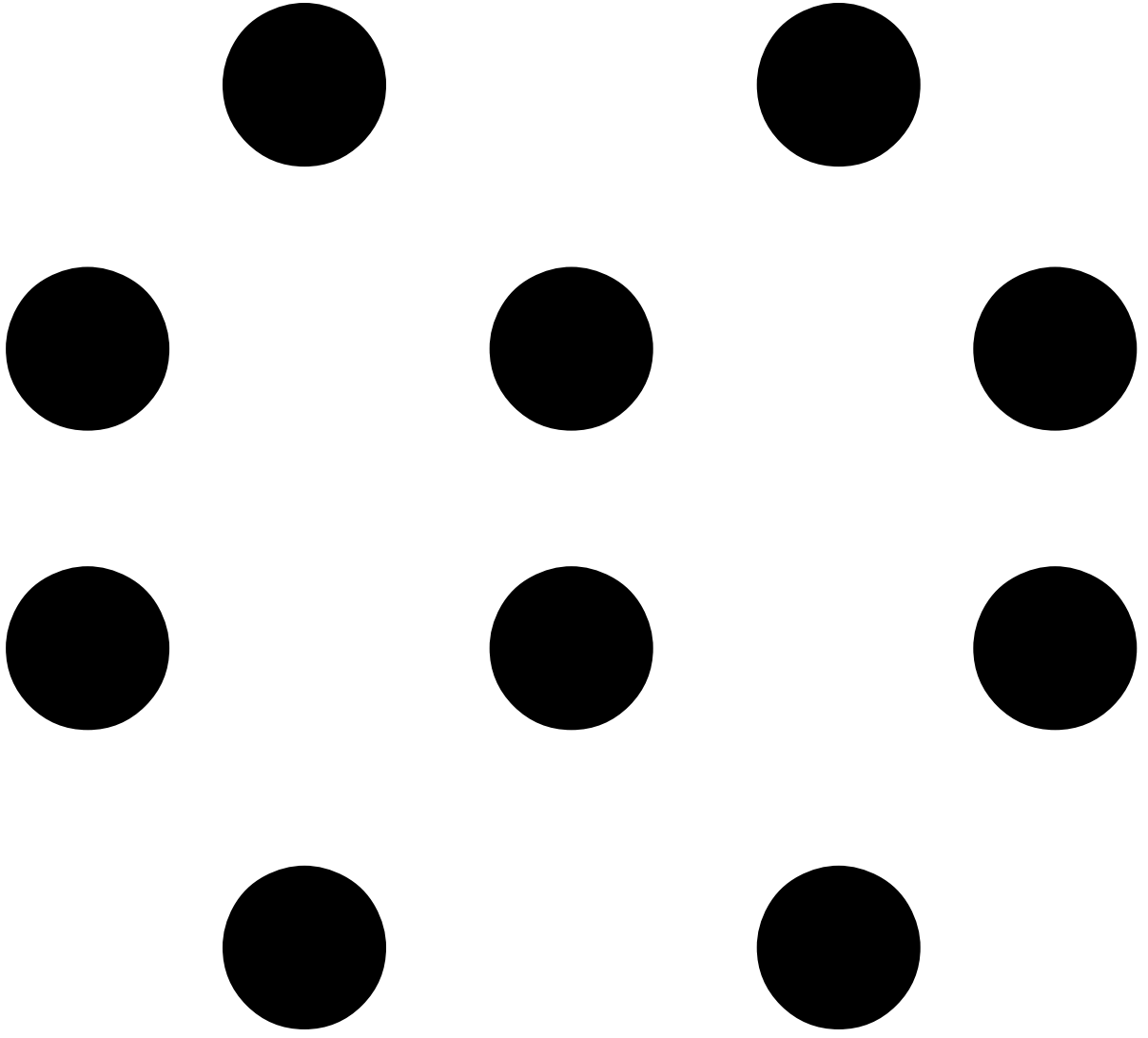
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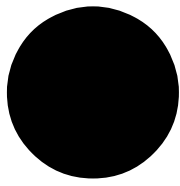




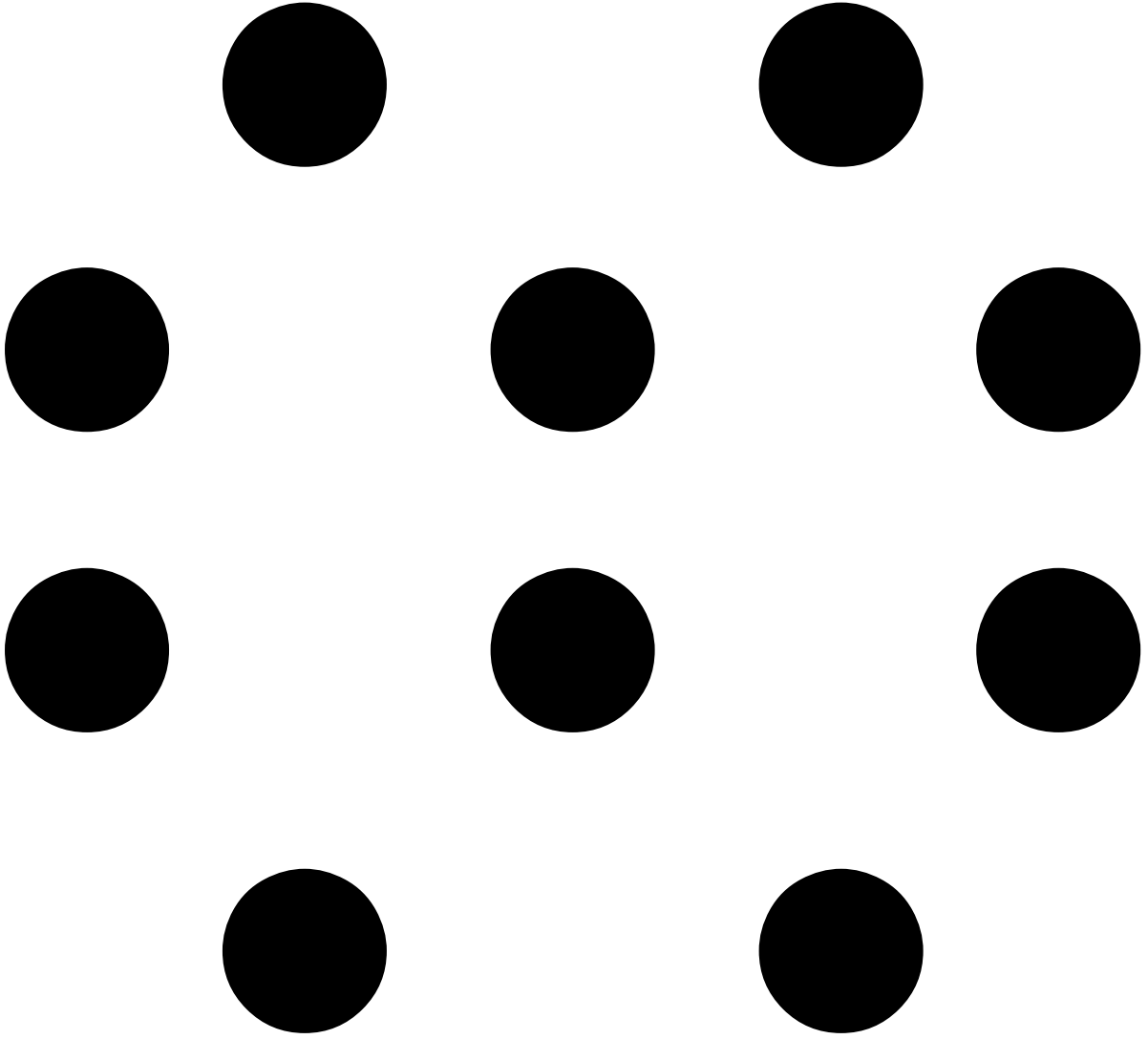
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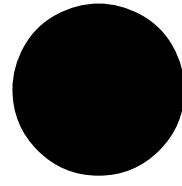
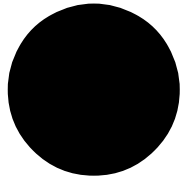
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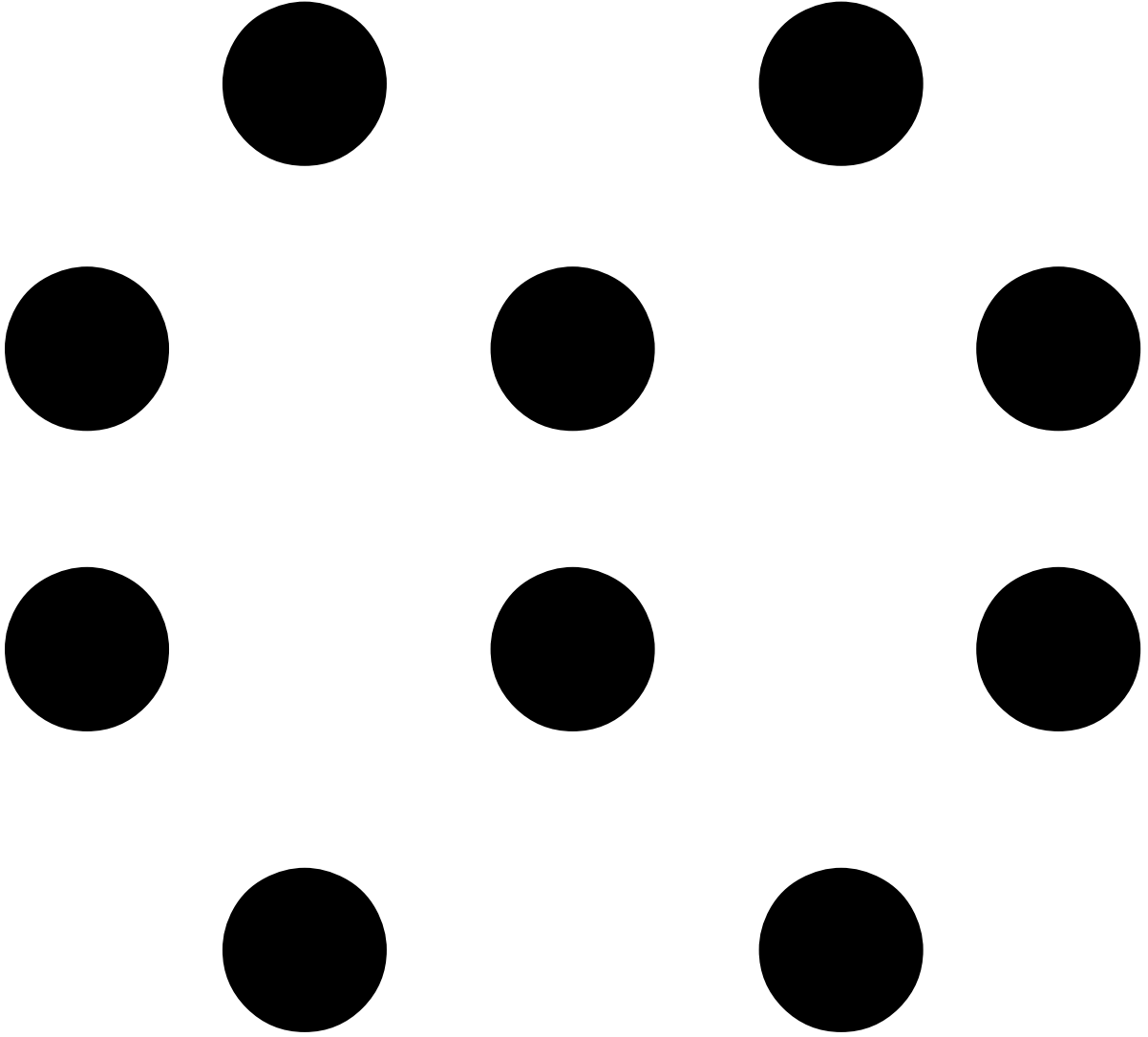
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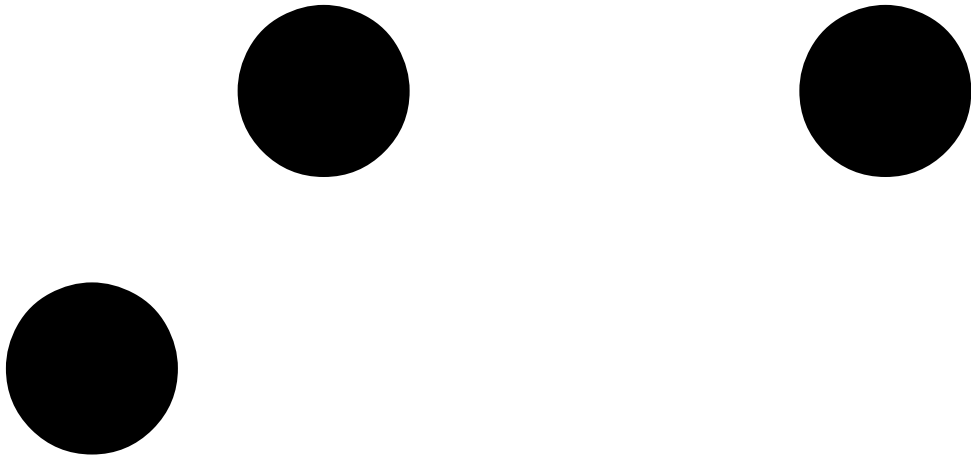
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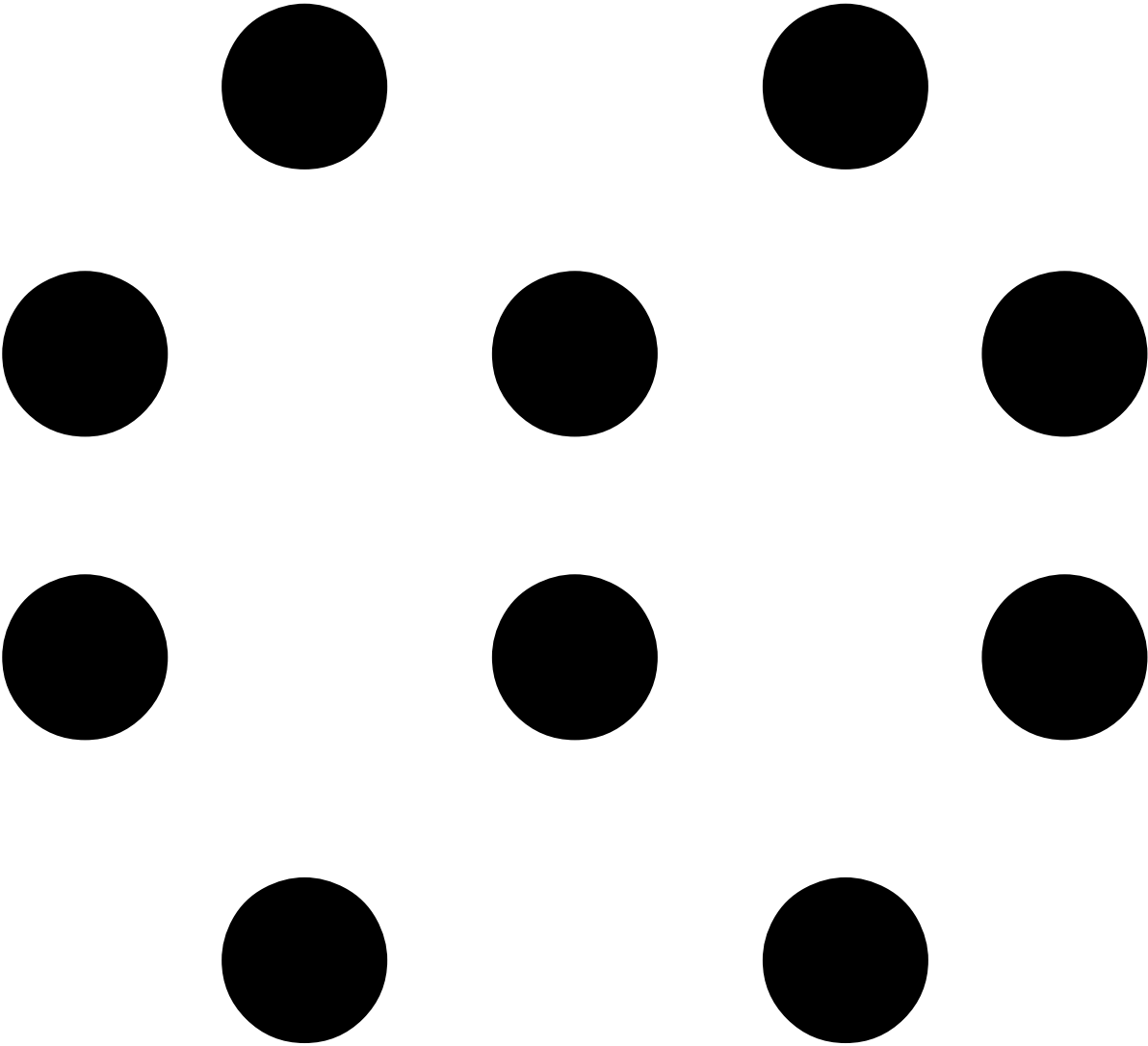
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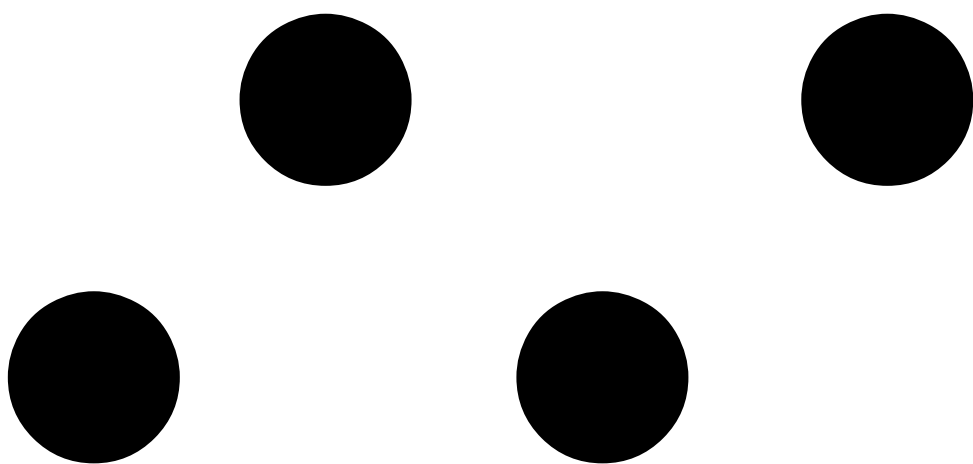
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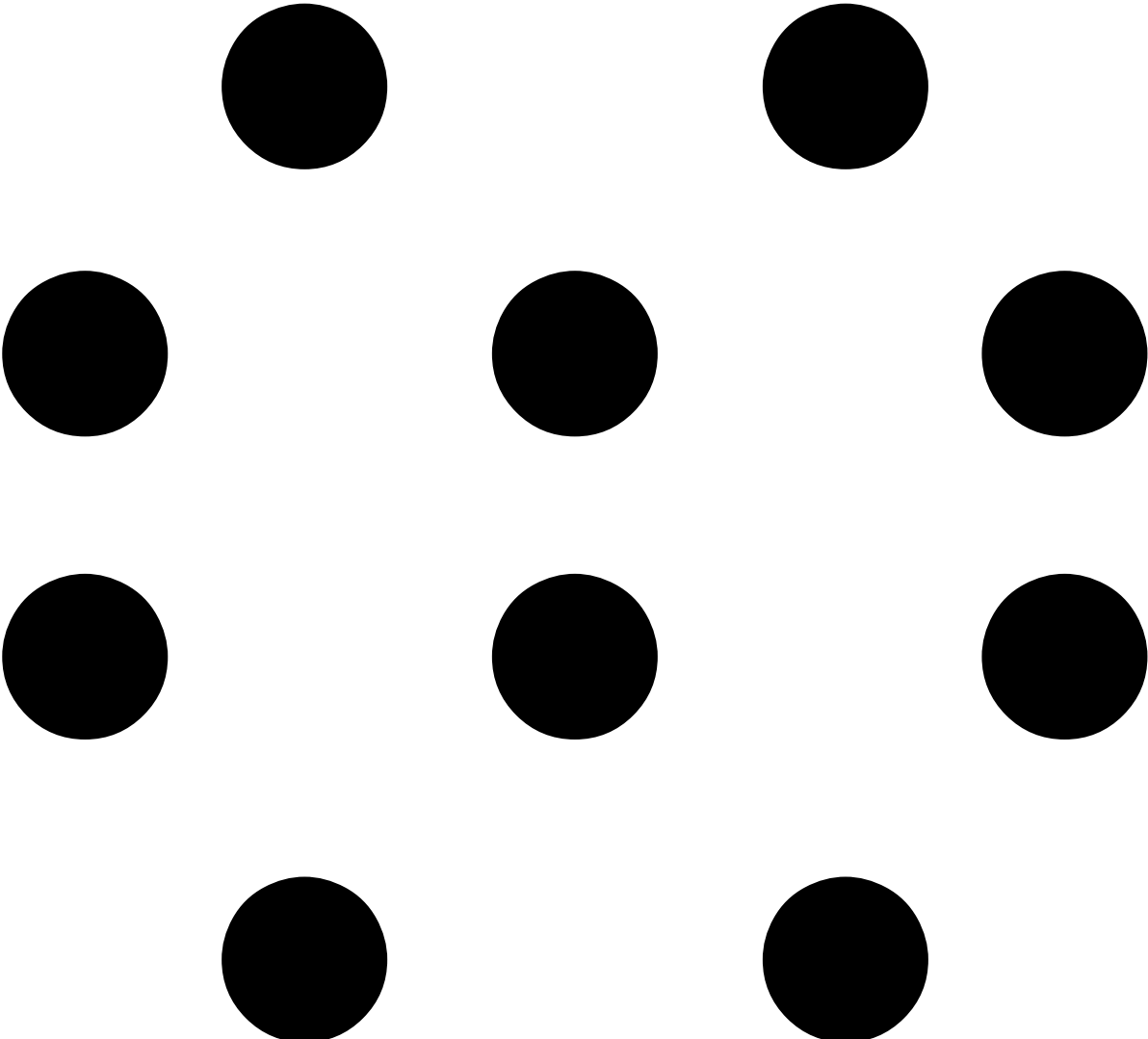
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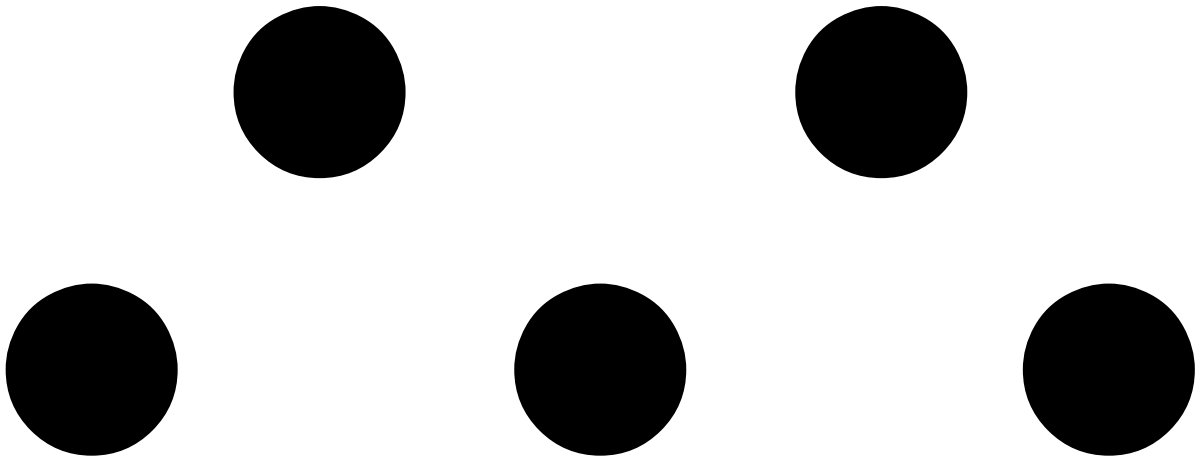
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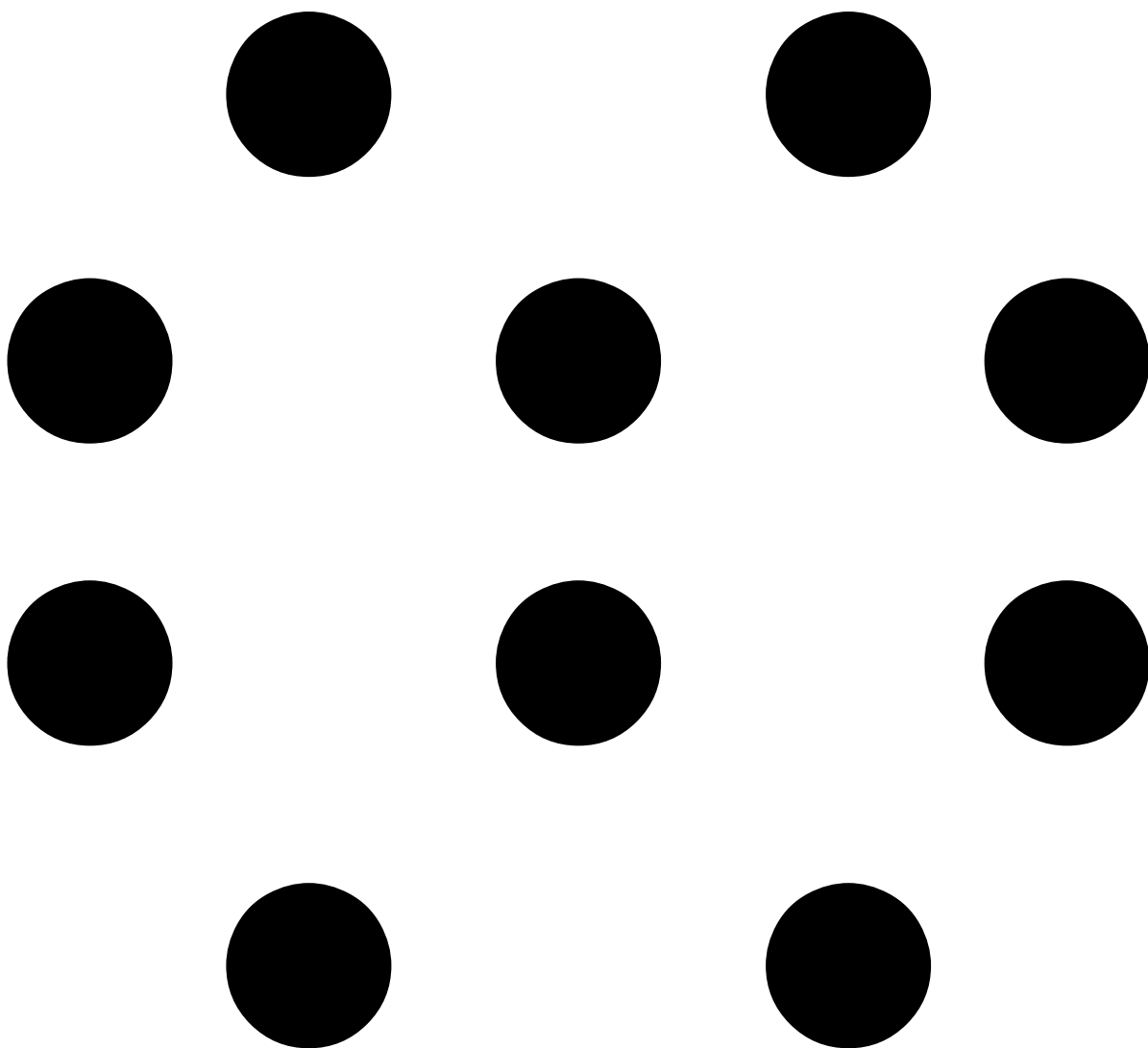
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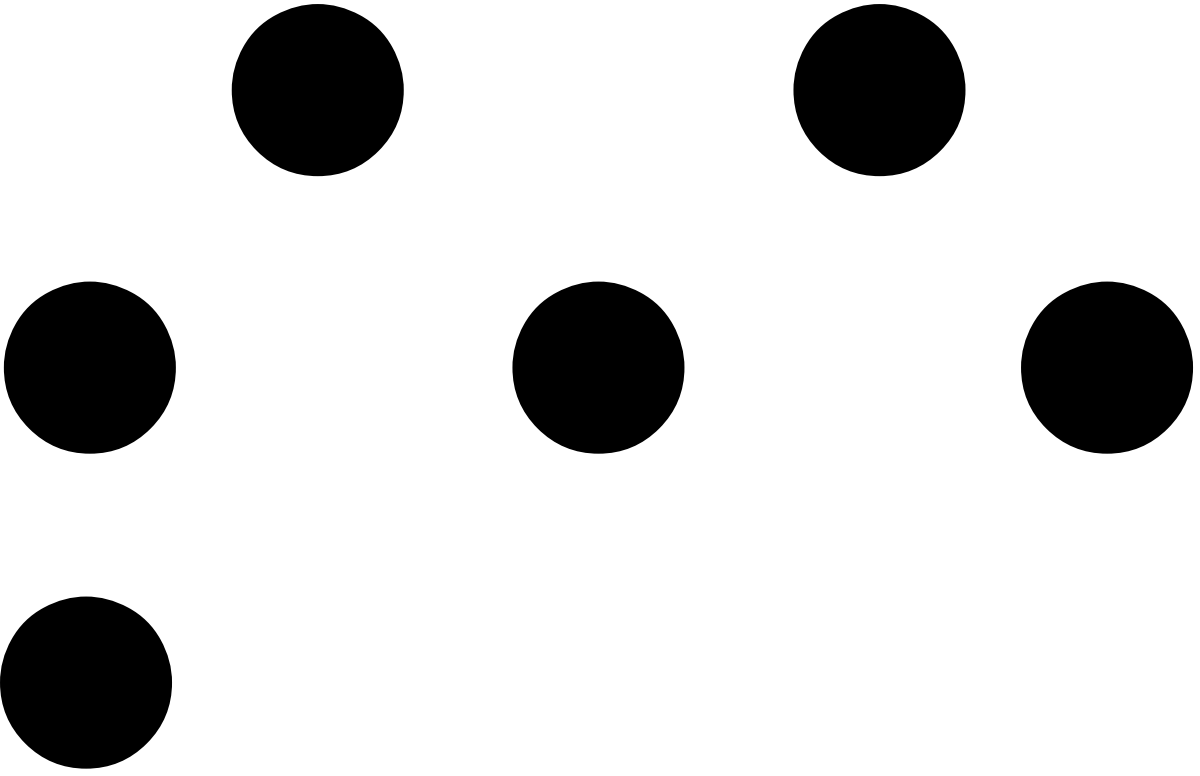
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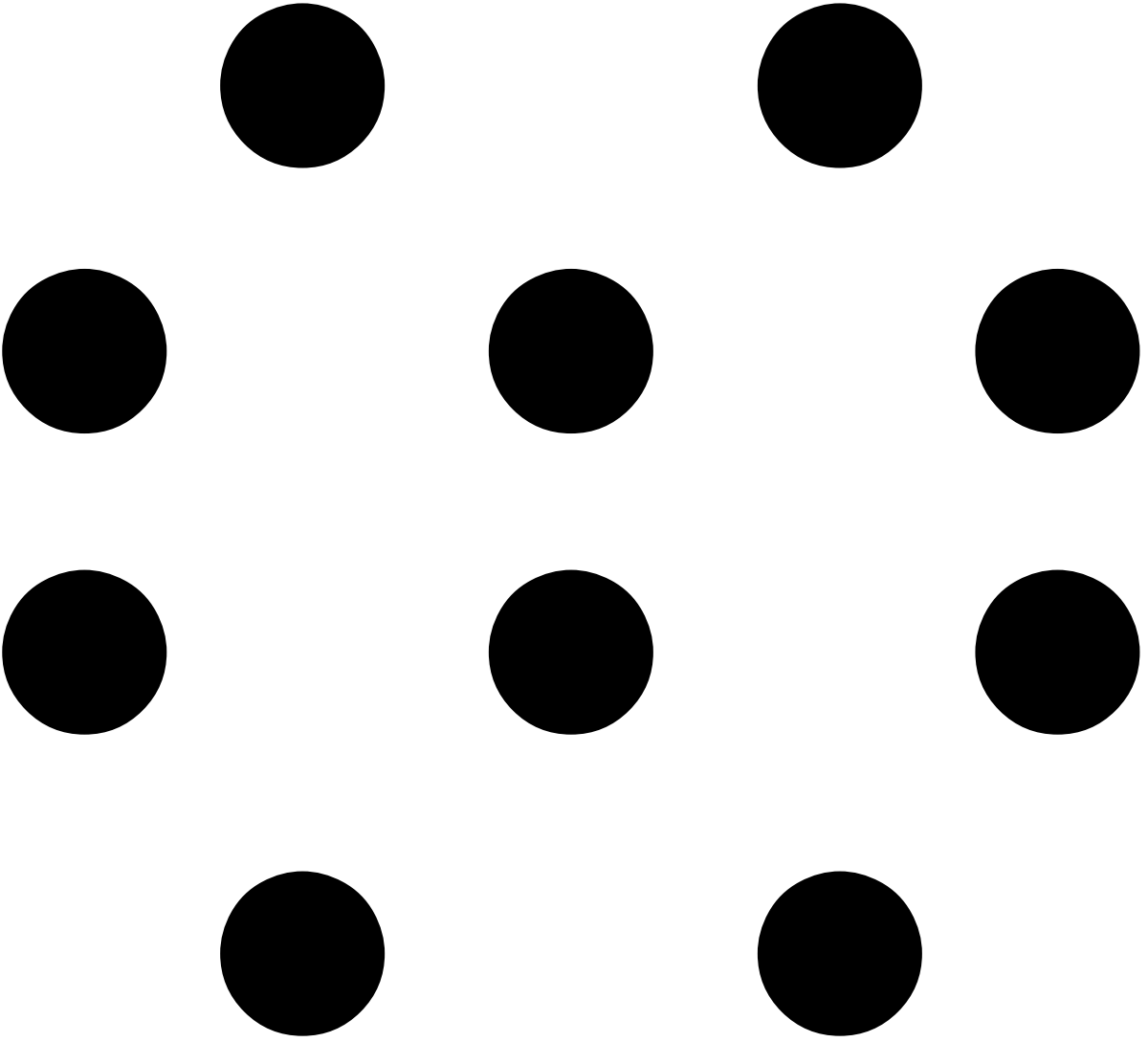
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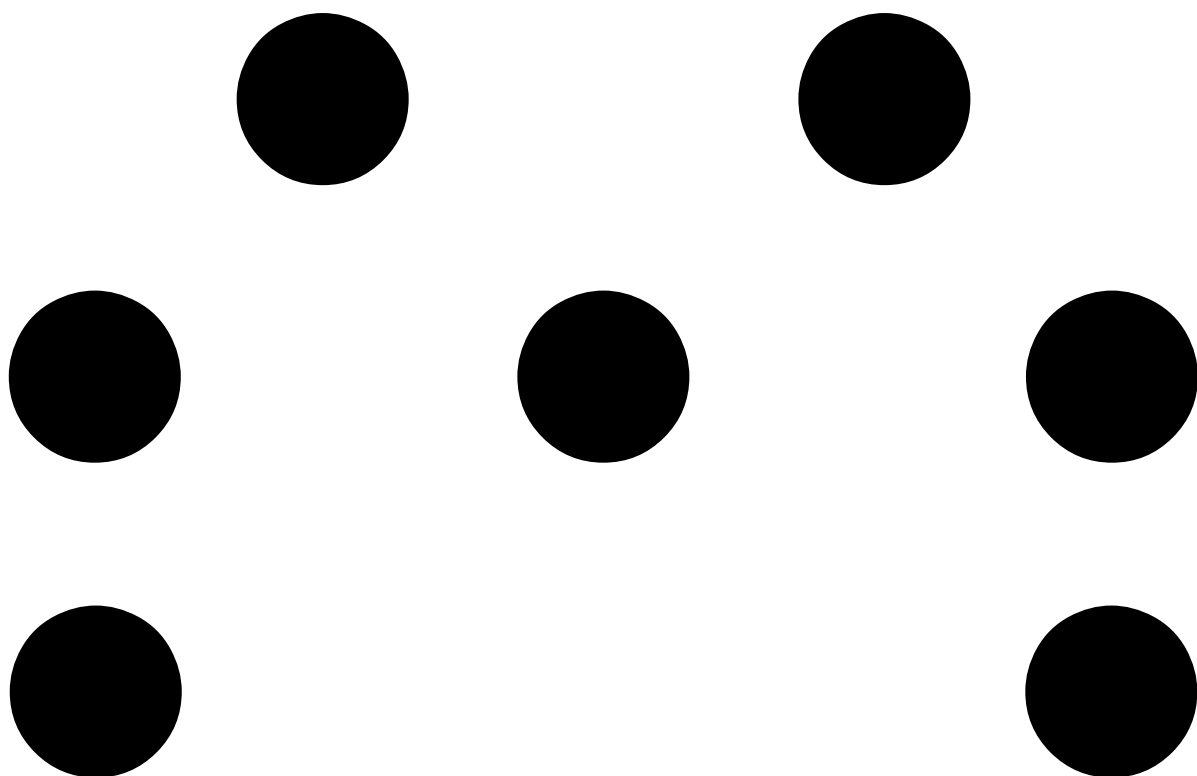
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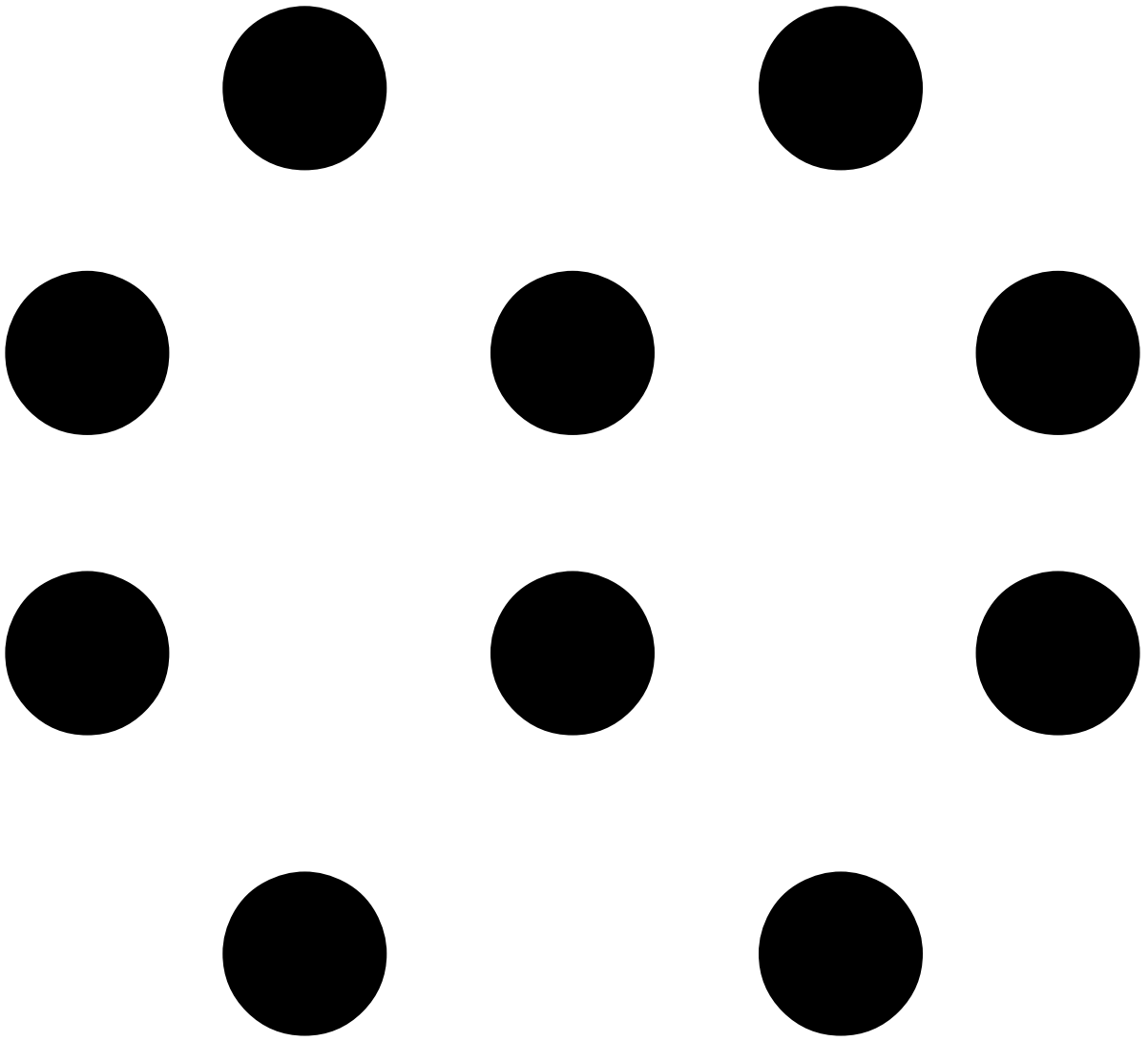
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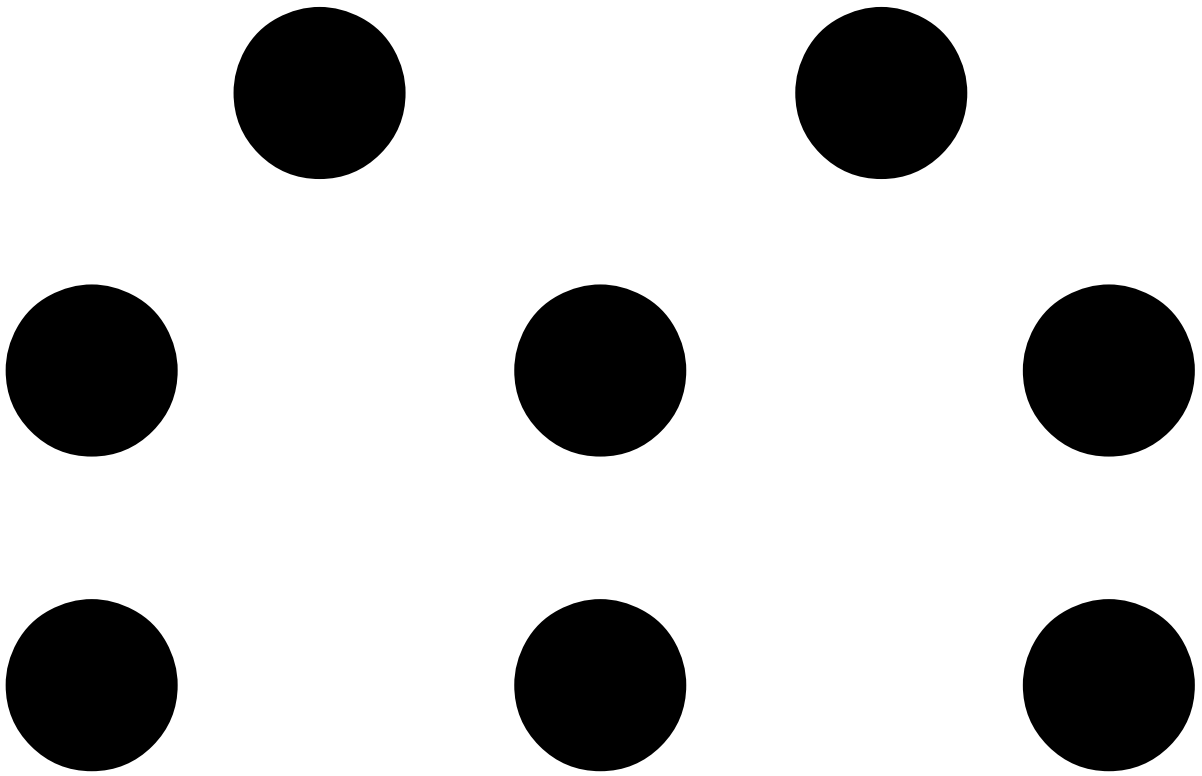
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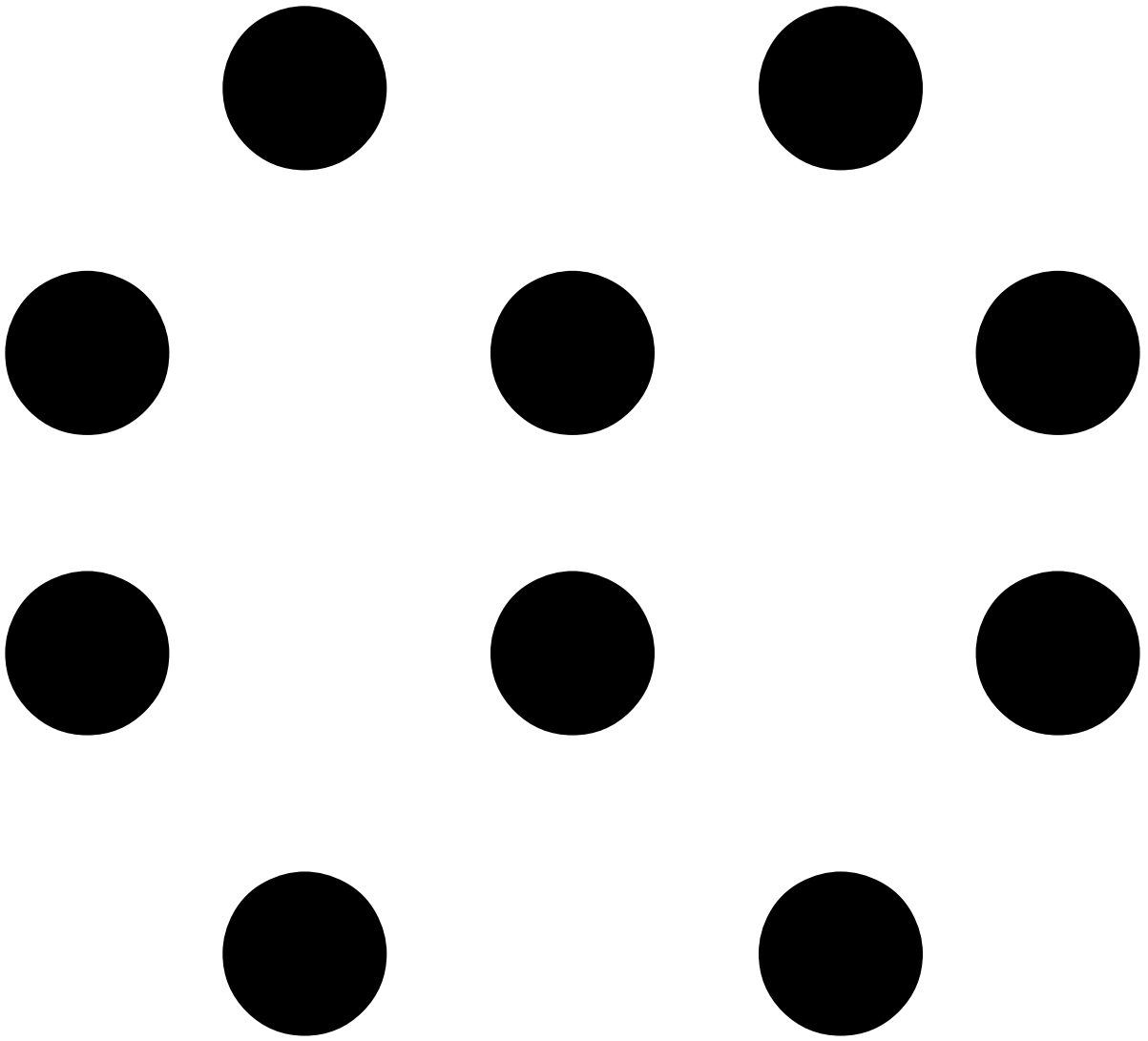
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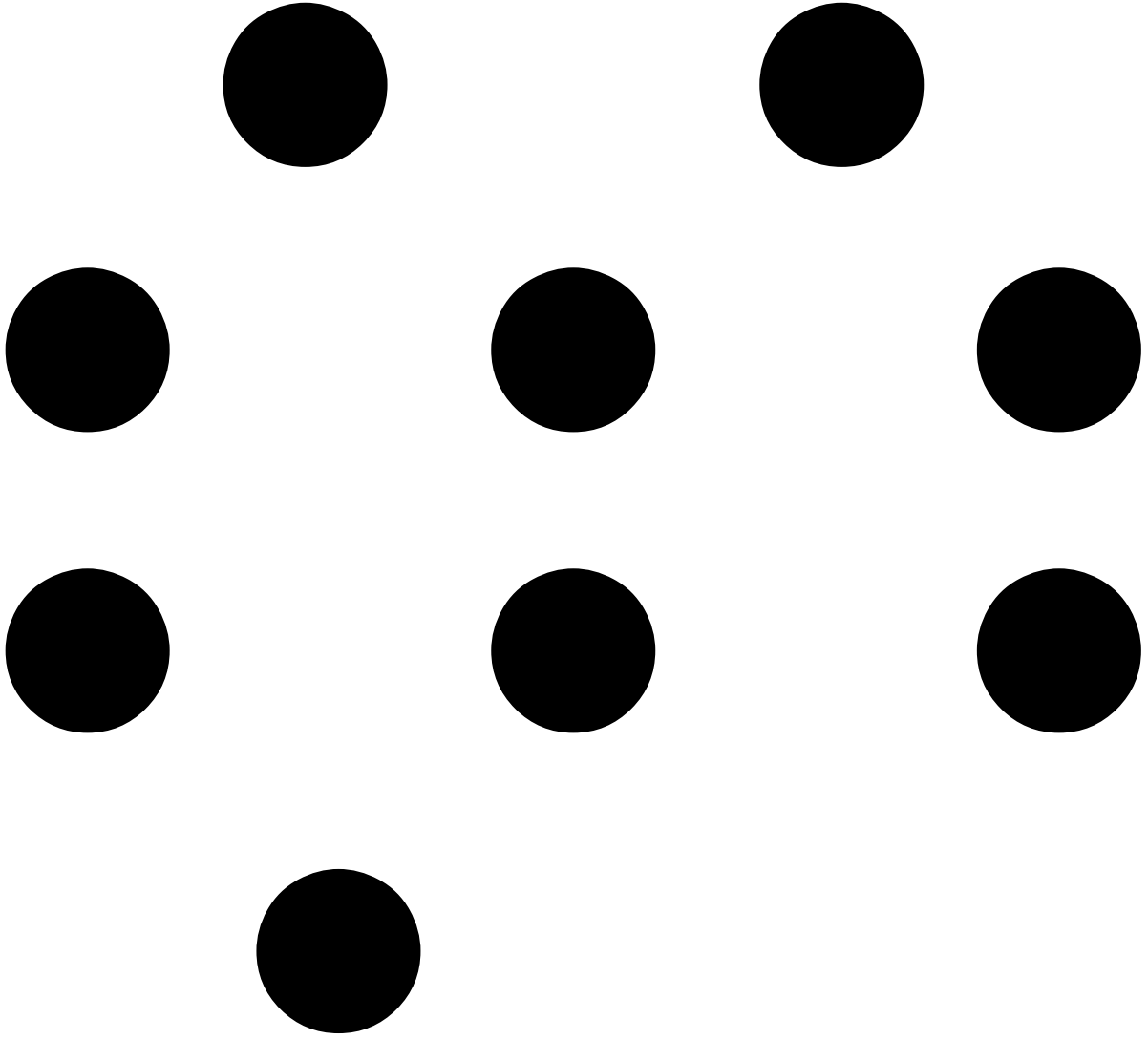
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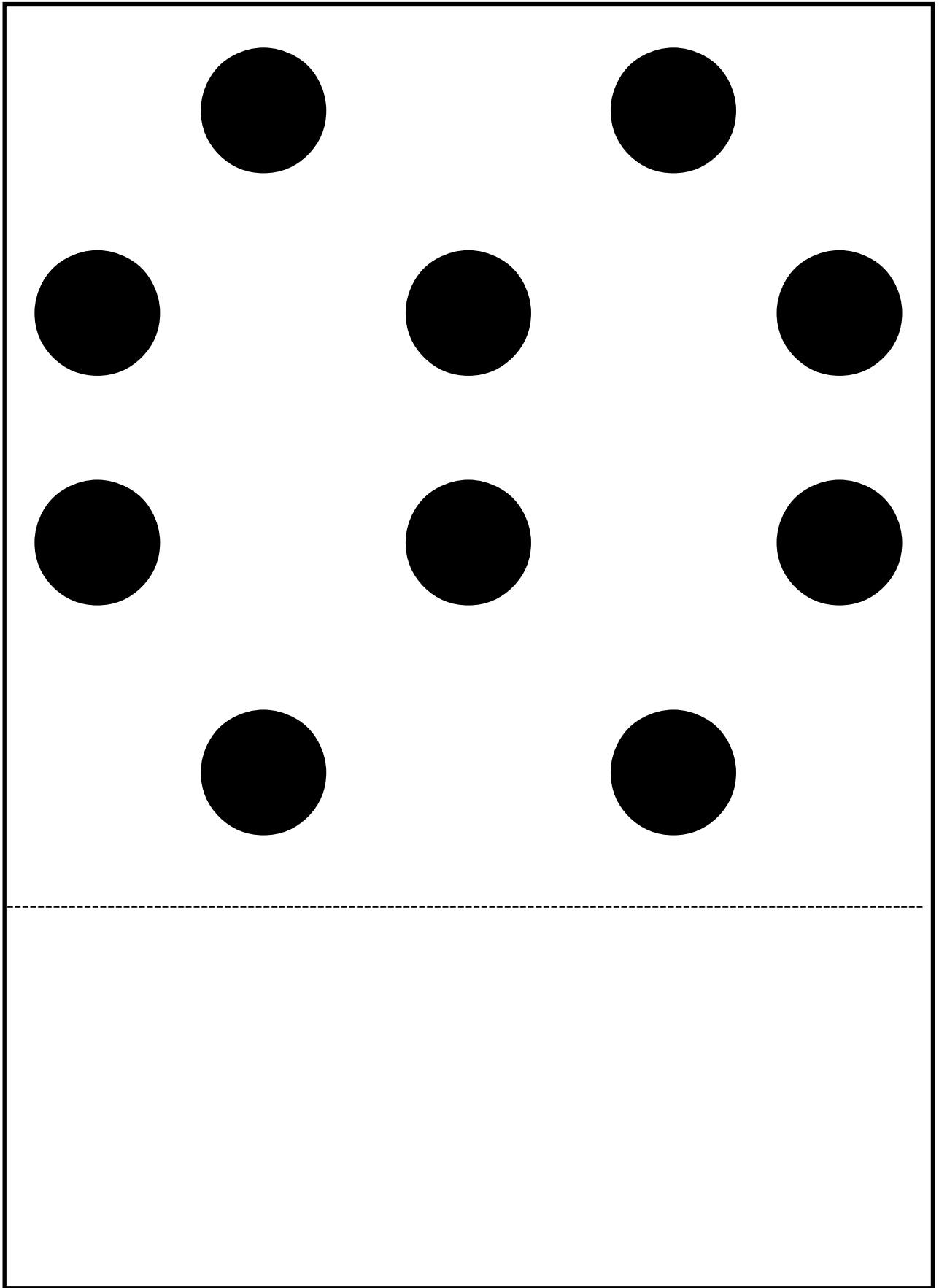
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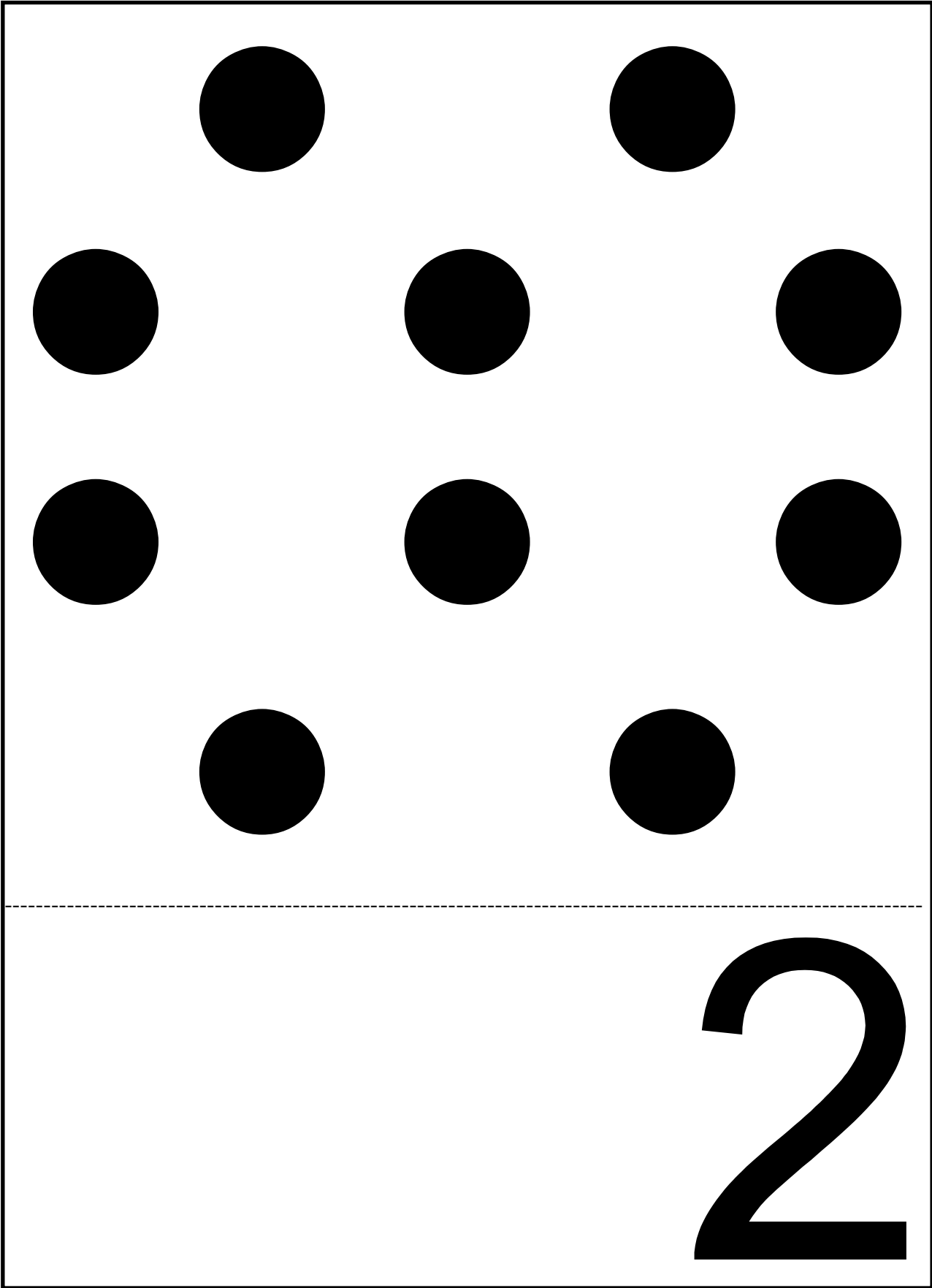


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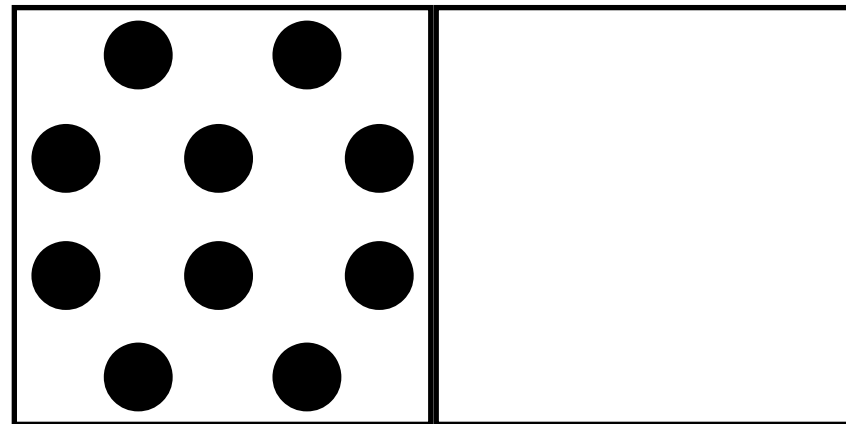
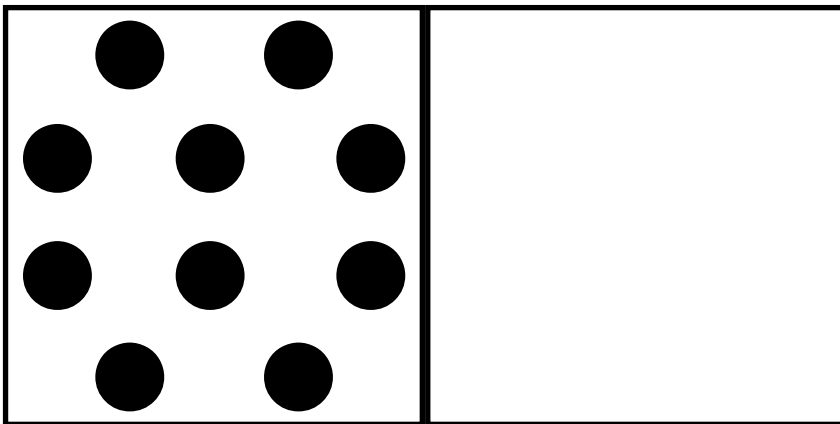
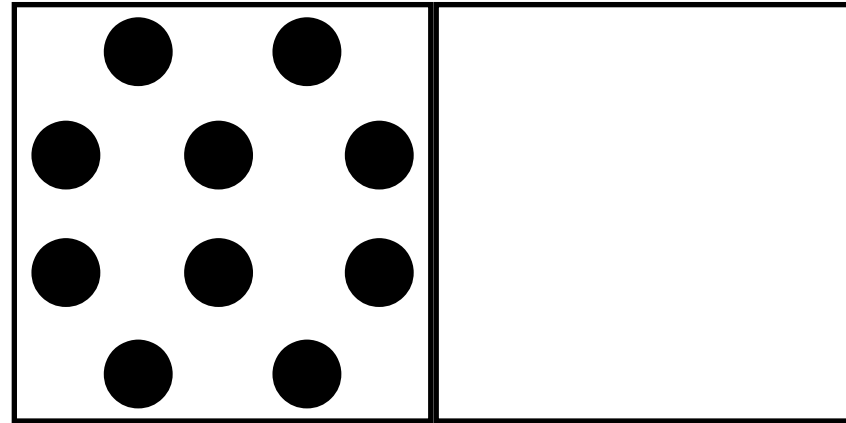
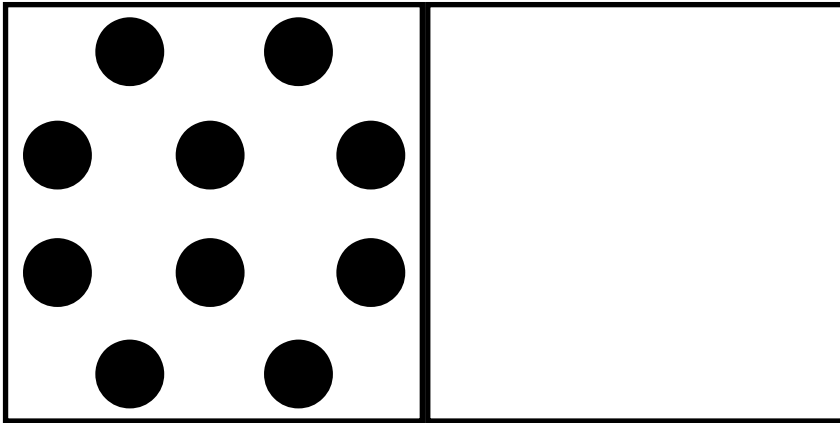
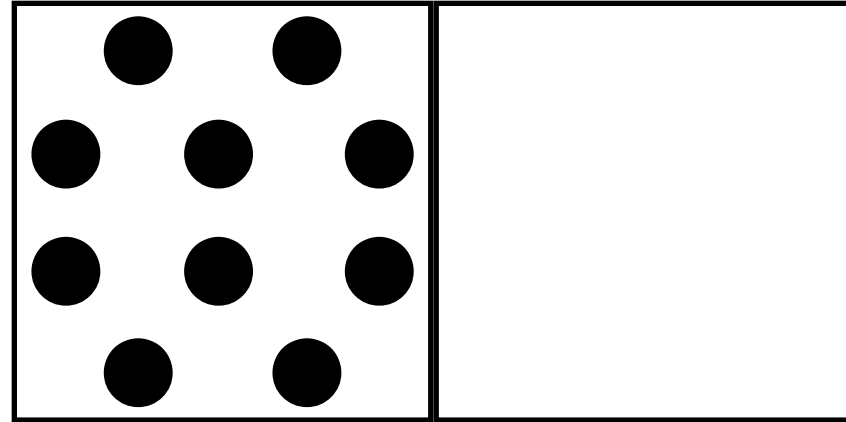
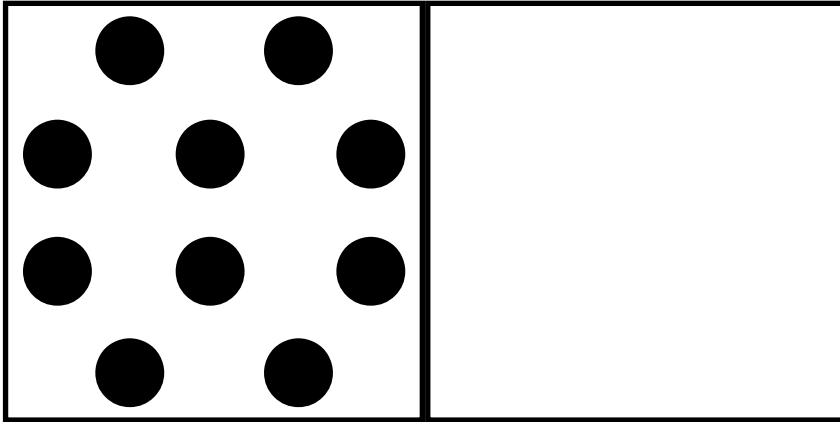
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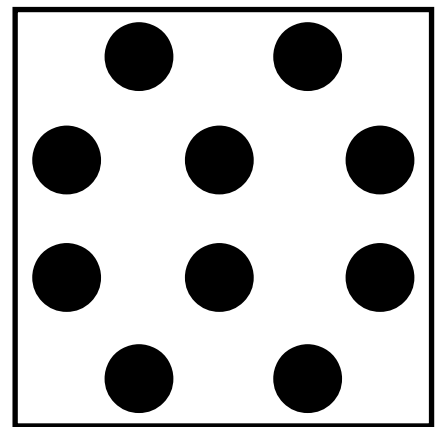
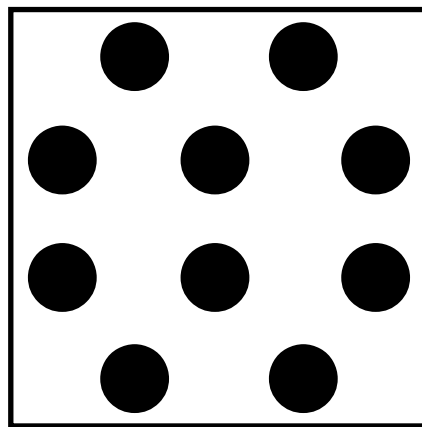
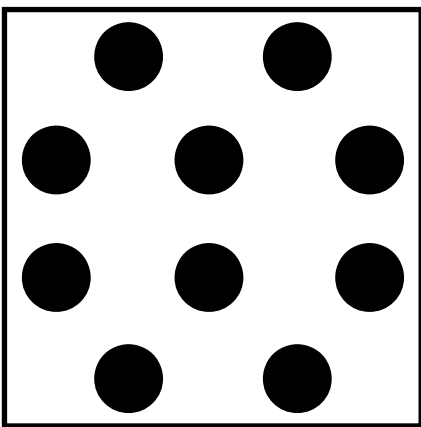
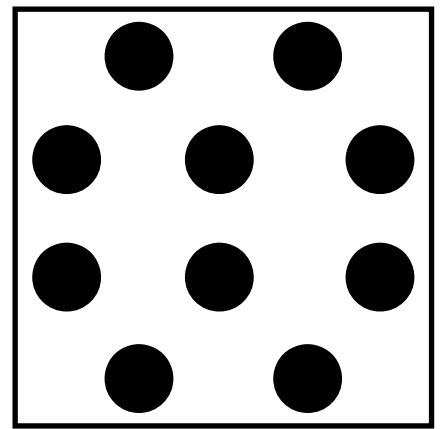
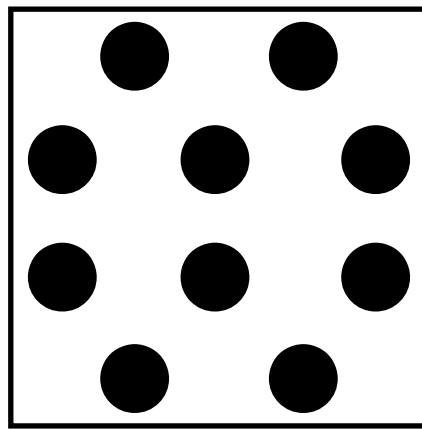
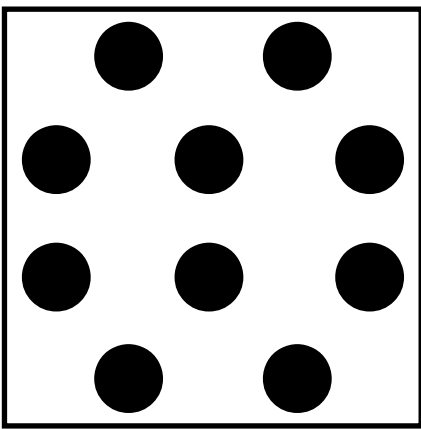
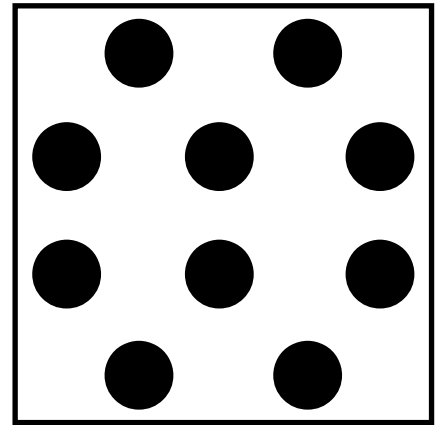
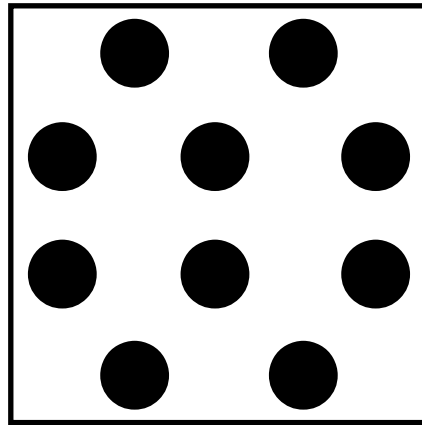
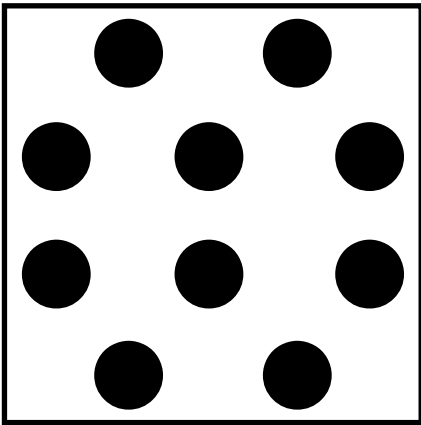
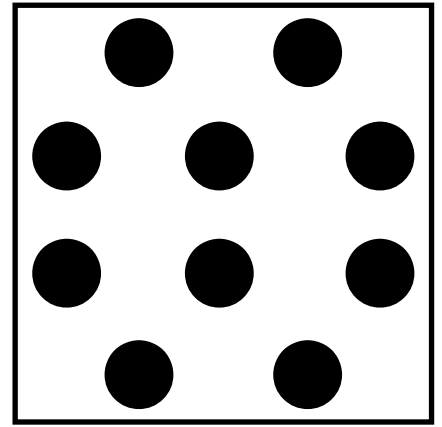
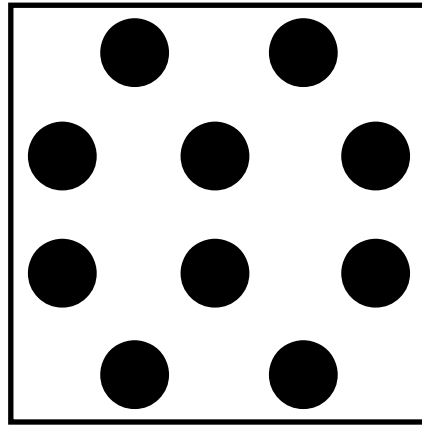
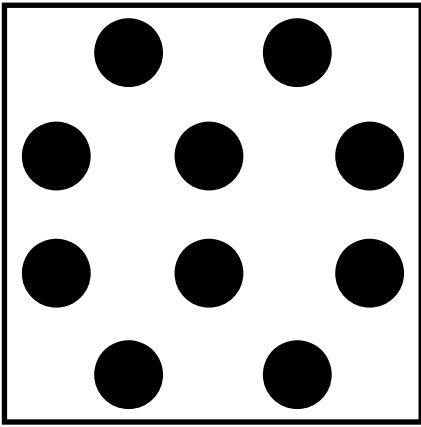


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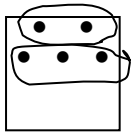
„Zehnerkarten“ - Kopiervorlagen



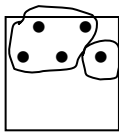
„Zehnerkarten“ - Kopiervorlagen



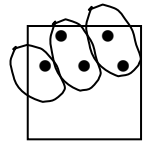
Zerlege die Zahlen und schreibe die Zerlegung auf



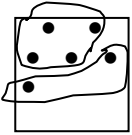
$5 = _ + _$



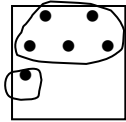
$5 = _ + _$



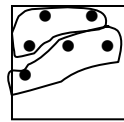
$5 = _ + _ + _$



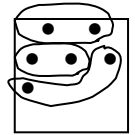
$6 = _ + _$



$6 = _ + _$



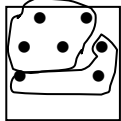
$6 = _ + _$



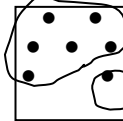
$6 = _ + _ + _$



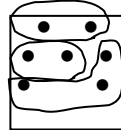
$7 = _ + _$



$7 = _ + _$



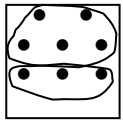
$7 = _ + _$



$7 = _ + _ + _$



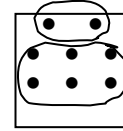
$7 = _ + _ + _$



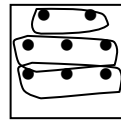
$8 = _ + _$



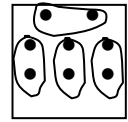
$8 = _ + _$



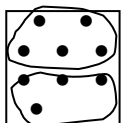
$8 = _ + _$



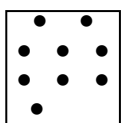
$8 = _ + _ + _$



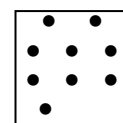
$8 = _ + _ + _$



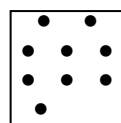
$9 = _ + _$



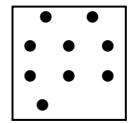
$9 = _ + _$



$9 = _ + _$



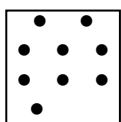
$9 = _ + _$



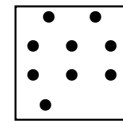
$9 = _ + _$



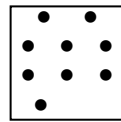
$9 = _ + _ + _$



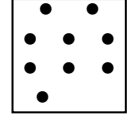
$9 = _ + _ + _$



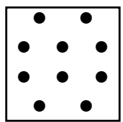
$9 = _ + _ + _$



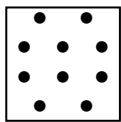
$9 = _ + _ + _$



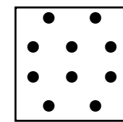
$9 = _ + _ + _$



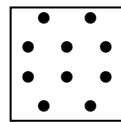
$10 = _ + _$



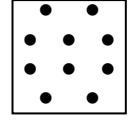
$10 = _ + _$



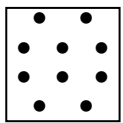
$10 = _ + _$



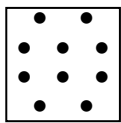
$10 = _ + _$



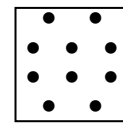
$10 = _ + _$



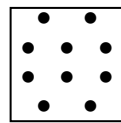
$10 = _ + _ + _$



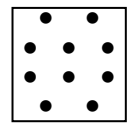
$10 = _ + _ + _$



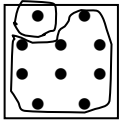
$10 = _ + _ + _$



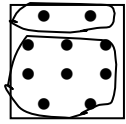
$10 = _ + _ + _$



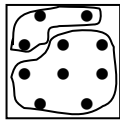
$10 = _ + _ + _$



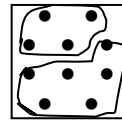
$10 = _ + _$



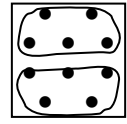
$10 = _ + _$



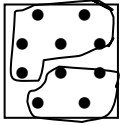
$10 = _ + _$



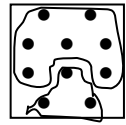
$10 = _ + _$



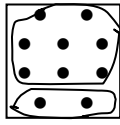
$10 = _ + _$



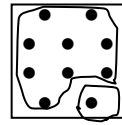
$10 = _ + _$



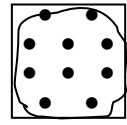
$10 = _ + _$



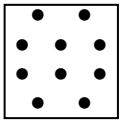
$10 = _ + _$



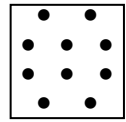
$10 = _ + _$



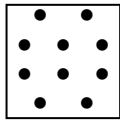
$10 = _ + _$



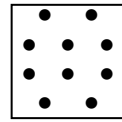
$10 = \underline{\hspace{2cm}}$



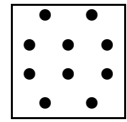
$10 = \underline{\hspace{2cm}}$



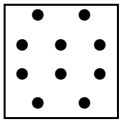
$10 = \underline{\hspace{2cm}}$



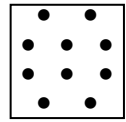
$10 = \underline{\hspace{2cm}}$



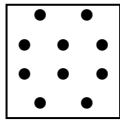
$10 = \underline{\hspace{2cm}}$



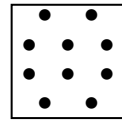
$10 = \underline{\hspace{2cm}}$



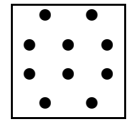
$10 = \underline{\hspace{2cm}}$



$10 = \underline{\hspace{2cm}}$

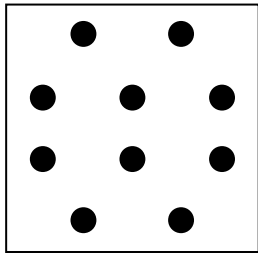


$10 = \underline{\hspace{2cm}}$

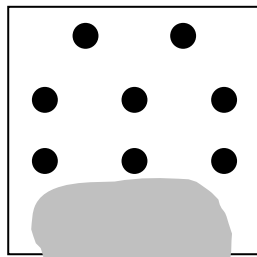


$10 = \underline{\hspace{2cm}}$

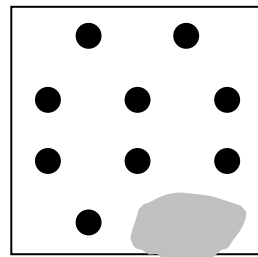
Wie viele Punkte sind unter der Abdeckung?



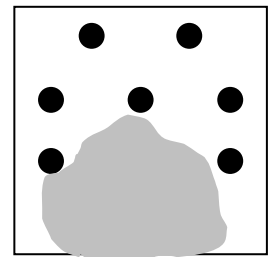
10



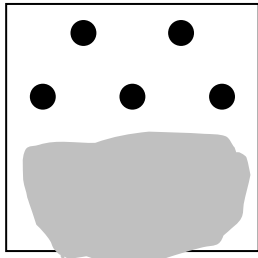
8 +  = 10



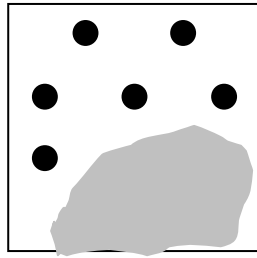
9 +  = 10



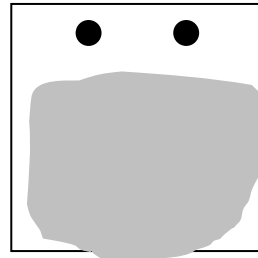
7 +  = 10



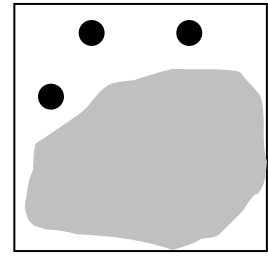
5 +  = 10



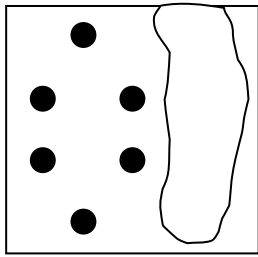
6 +  = 10



2 +  = 10

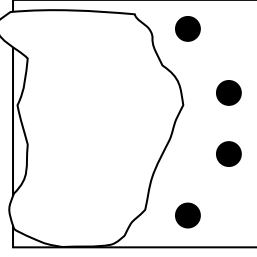


3 +  = 10



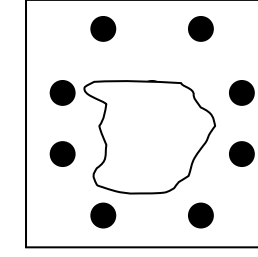
6 +  = 10

10 -  = 6



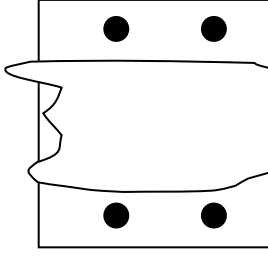
4 +  = 10

10 -  = 4



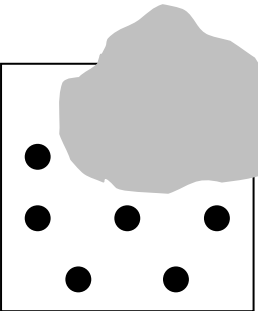
8 +  = 10

10 -  = 8



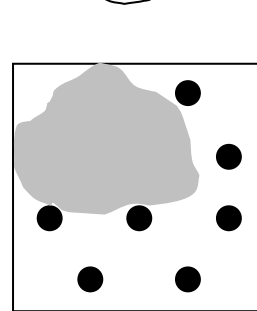
4 +  = 10

10 -  = 4



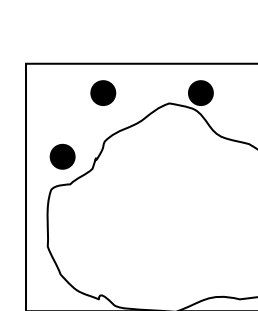
6 + = 10

10 - = 6



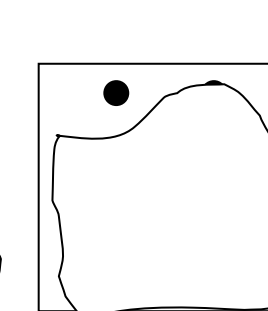
7 + = 10

10 - = 7



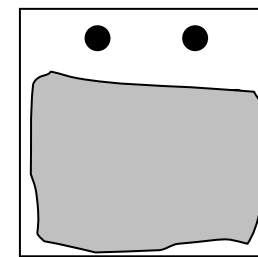
3 + = 10

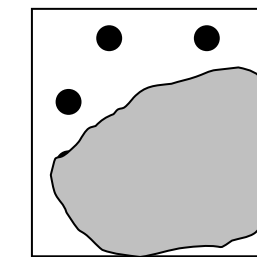
10 - = 3

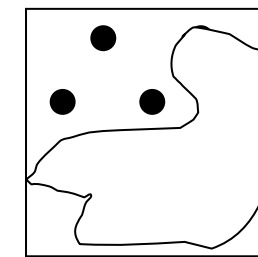


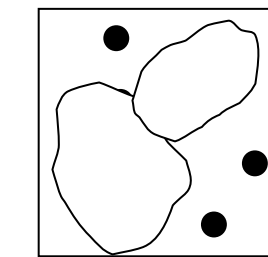
1 + = 10

10 - = 1

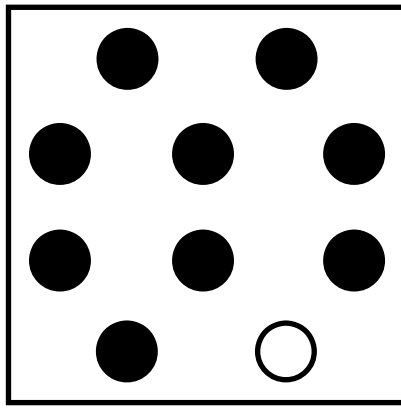




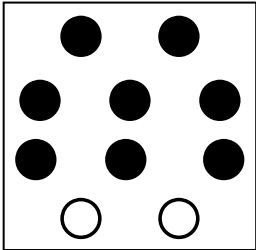




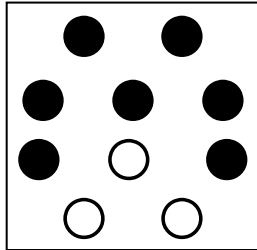
Wie viel fehlen an



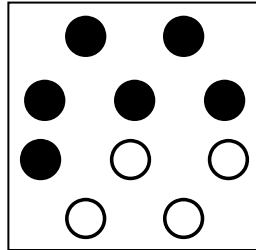
9 ?



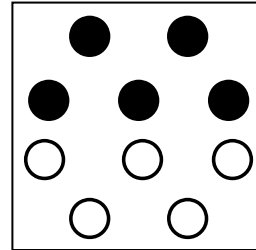
$8 + \underline{\quad} = 9$



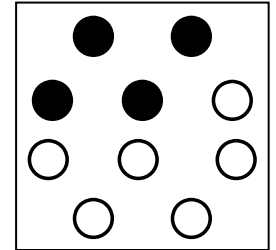
$7 + \underline{\quad} = 9$



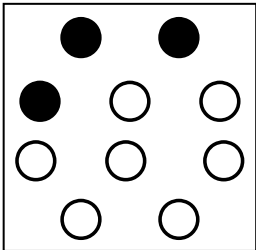
$6 + \underline{\quad} = 9$



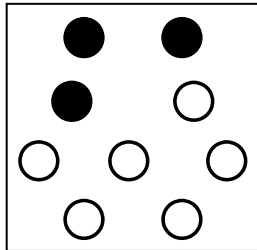
$5 + \underline{\quad} = 9$



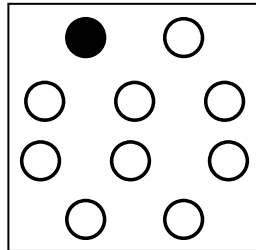
$4 + \underline{\quad} = 9$



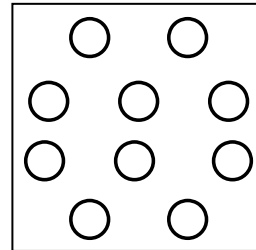
$3 + \underline{\quad} = 9$



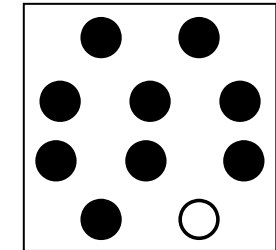
$2 + \underline{\quad} = 9$



$1 + \underline{\quad} = 9$

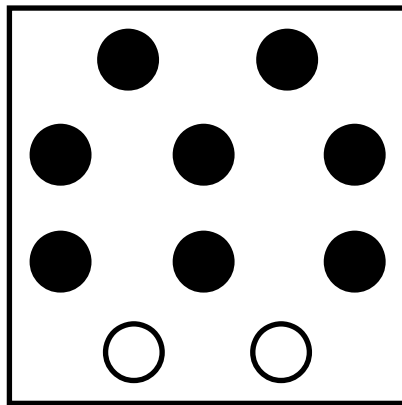


$0 + \underline{\quad} = 9$

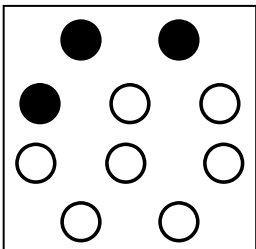


$9 + \underline{\quad} = 9$

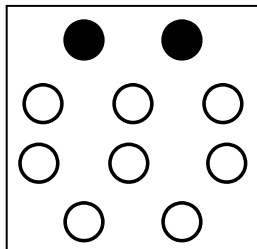
Wie viel fehlen an



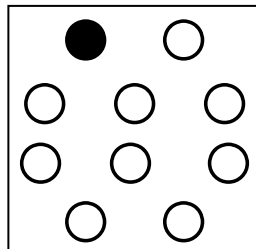
8 ?



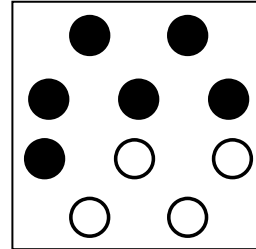
$3 + \underline{\quad} = 8$



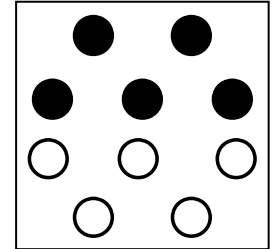
$2 + \underline{\quad} = 8$



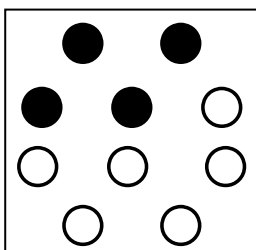
$1 + \underline{\quad} = 8$

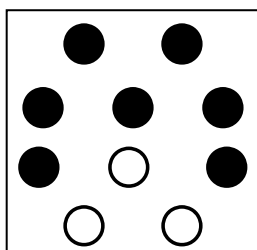


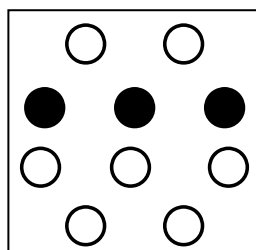
$6 + \underline{\quad} = 8$

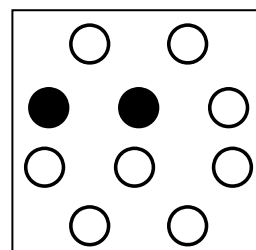


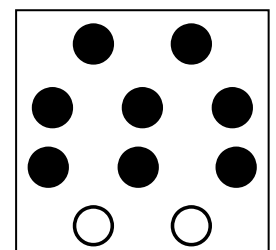
$5 + \underline{\quad} = 8$



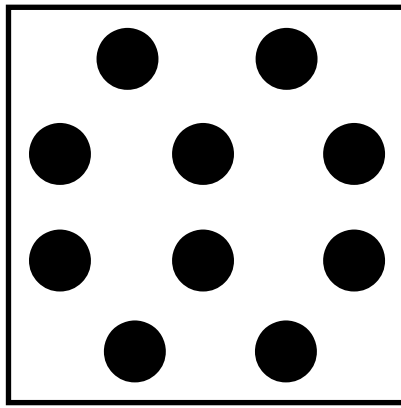




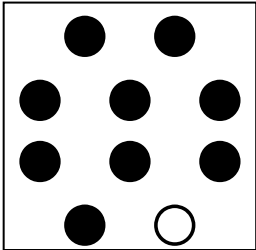




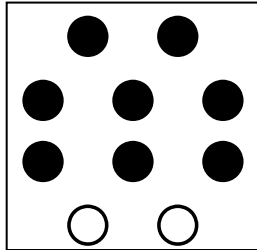
Wie viel fehlen an



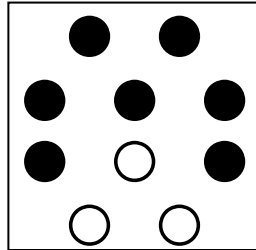
10?



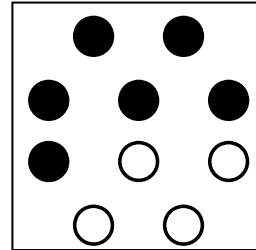
9 + = 10



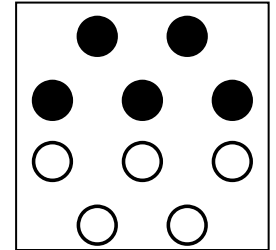
8 + = 10



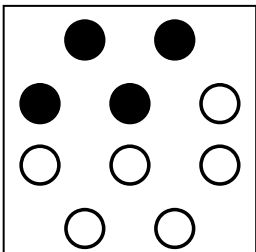
7 + = 10



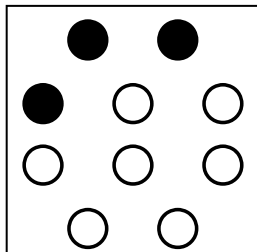
6 + = 10



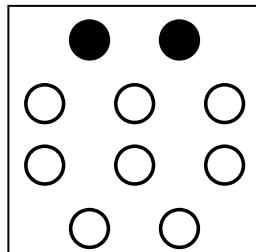
5 + = 10



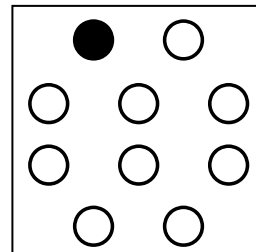
4 + = 10



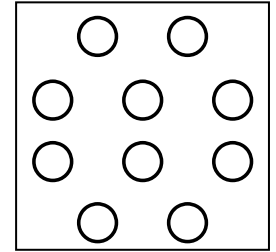
3 + = 10



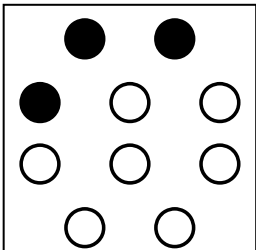
2 + = 10

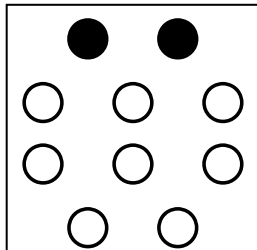


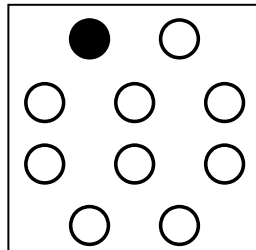
1 + = 10

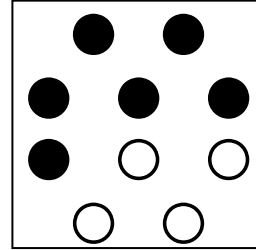


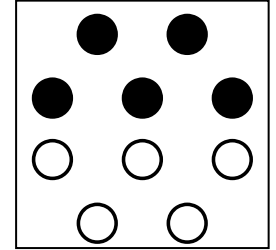
0 + = 10

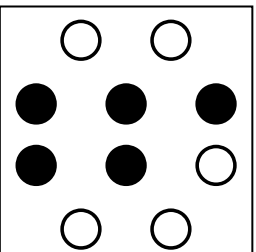


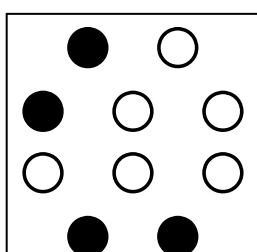


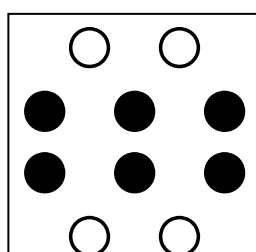


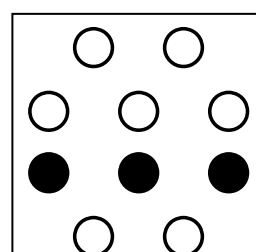


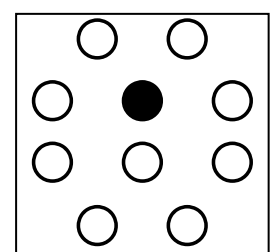


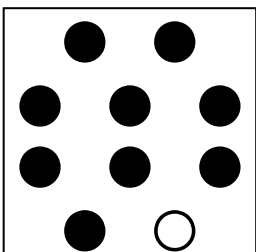


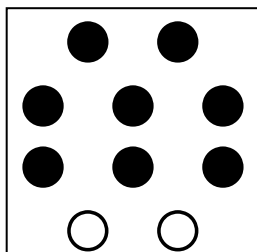


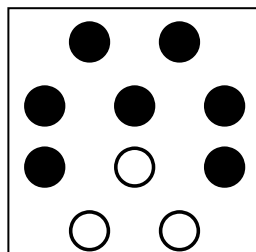


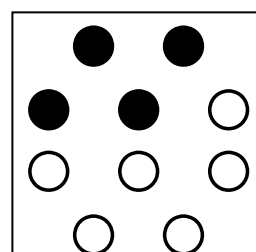


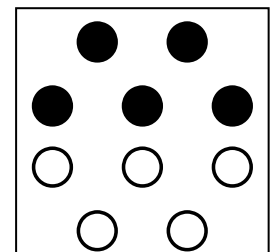




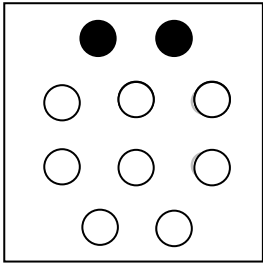








Plus



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

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

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

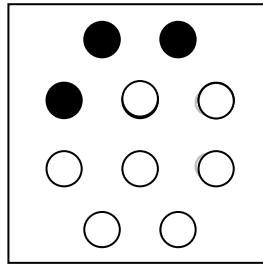
$2 + 4 = \underline{\quad}$

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

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

$2 + 7 = \underline{\quad}$

$2 + 8 = \underline{\quad}$



$3 + 1 = \underline{\quad}$

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

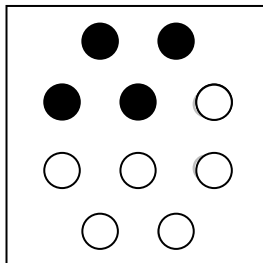
$3 + 3 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

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

$3 + 7 = \underline{\quad}$



$4 + 1 = \underline{\quad}$

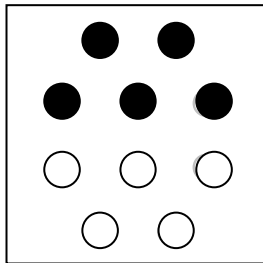
$4 + 2 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

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

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

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



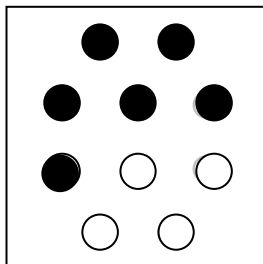
$5 + 1 = \underline{\quad}$

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

$5 + 3 = \underline{\quad}$

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

$5 + 5 = \underline{\quad}$

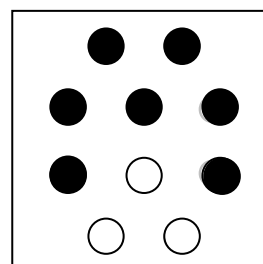


$6 + 1 = \underline{\quad}$

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

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

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



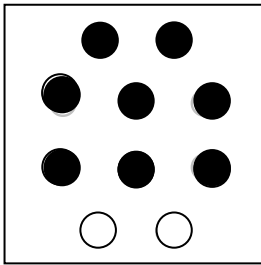
$7 + 1 = \underline{\quad}$

$7 + 2 = \underline{\quad}$

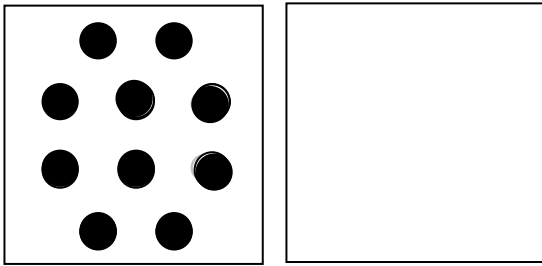
$7 + 3 = \underline{\quad}$

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

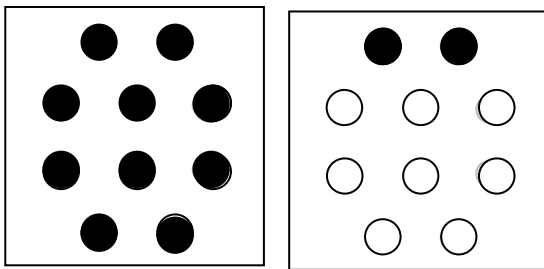
Minus



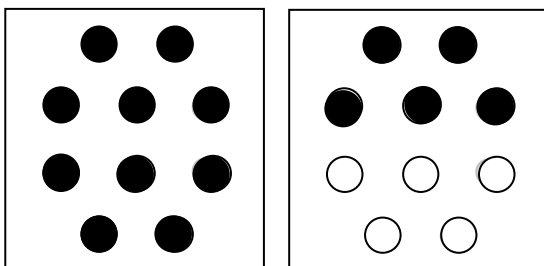
$8 - 1 = \underline{\quad}$ $8 - 2 = \underline{\quad}$ $8 - 3 = \underline{\quad}$ $8 - 4 = \underline{\quad}$ $8 - 5 = \underline{\quad}$
 $8 - 6 = \underline{\quad}$ $8 - 7 = \underline{\quad}$ $8 - 8 = \underline{\quad}$



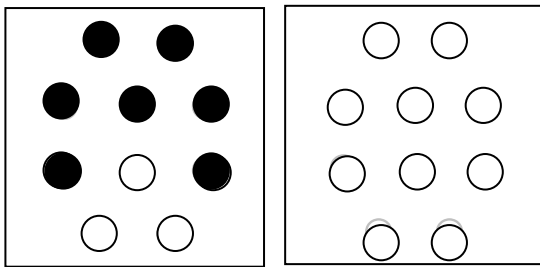
$10 - 1 = \underline{\quad}$ $10 - 2 = \underline{\quad}$ $10 - 3 = \underline{\quad}$ $10 - 4 = \underline{\quad}$ $10 - 5 = \underline{\quad}$
 $10 - 6 = \underline{\quad}$ $10 - 7 = \underline{\quad}$ $10 - 8 = \underline{\quad}$ $10 - 9 = \underline{\quad}$ $10 - 10 = \underline{\quad}$



$12 - 2 = \underline{\quad}$ $12 - 3 = \underline{\quad}$ $12 - 4 = \underline{\quad}$ $12 - 5 = \underline{\quad}$ $12 - 6 = \underline{\quad}$
 $12 - 7 = \underline{\quad}$ $12 - 8 = \underline{\quad}$ $12 - 9 = \underline{\quad}$ $12 - 10 = \underline{\quad}$ $12 - 11 = \underline{\quad}$



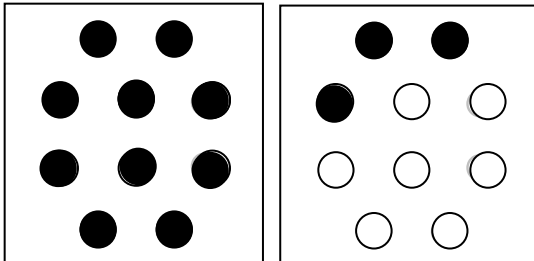
$15 - 1 = \underline{\quad}$ $15 - 2 = \underline{\quad}$ $15 - 3 = \underline{\quad}$ $15 - 4 = \underline{\quad}$ $15 - 5 = \underline{\quad}$
 $15 - 6 = \underline{\quad}$ $15 - 7 = \underline{\quad}$ $15 - 8 = \underline{\quad}$ $15 - 9 = \underline{\quad}$ $15 - 10 = \underline{\quad}$
 $15 - 11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



Plus und minus

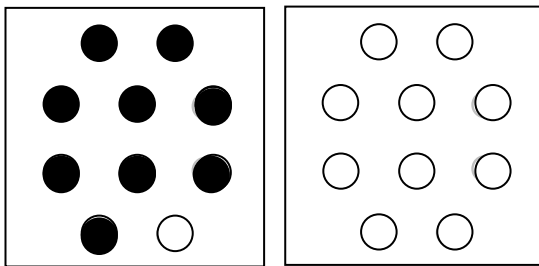
Erst zur Zehn,
dann weiter gehn!
Rechne mit den Augen!

$7 + 4 = \underline{\quad}$ $7 + 5 = \underline{\quad}$ $7 + 6 = \underline{\quad}$ $7 + 7 = \underline{\quad}$ $7 + 8 = \underline{\quad}$



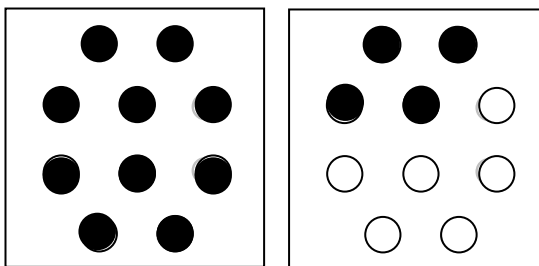
$13 - 4 = \underline{\quad}$ $13 - 5 = \underline{\quad}$ $13 - 6 = \underline{\quad}$ $13 - 6 = \underline{\quad}$ $13 - 7 = \underline{\quad}$

$13 - 8 = \underline{\quad}$ $13 - 9 = \underline{\quad}$



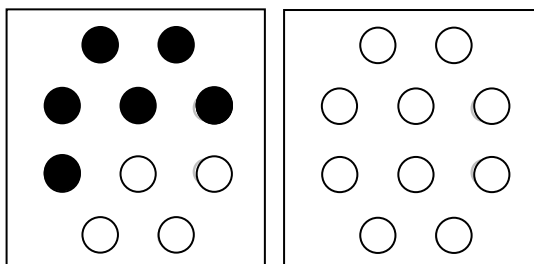
$9 + 2 = \underline{\quad}$ $9 + 3 = \underline{\quad}$ $9 + 4 = \underline{\quad}$ $9 + 5 = \underline{\quad}$ $9 + 6 = \underline{\quad}$

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



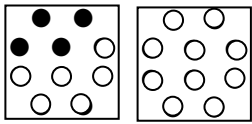
$14 - 5 = \underline{\quad}$ $14 - 6 = \underline{\quad}$ $14 - 7 = \underline{\quad}$ $14 - 8 = \underline{\quad}$ $14 - 9 = \underline{\quad}$

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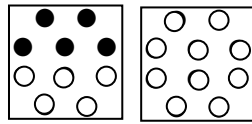


$6 + 5 = \underline{\quad}$ $6 + 6 = \underline{\quad}$ $6 + 7 = \underline{\quad}$ $6 + 8 = \underline{\quad}$ $6 + 9 = \underline{\quad}$

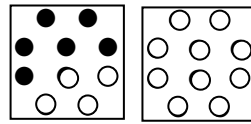
Rechne mit den Augen (auch ohne, wenn du kannst)



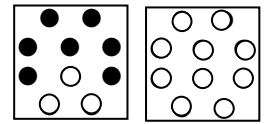
4



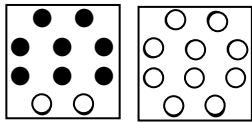
5



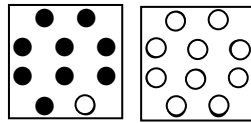
6



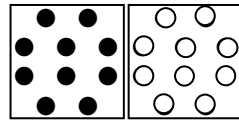
7



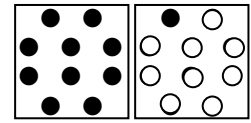
8



9



10



11

$4 + 2 = \underline{\quad}$

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

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

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

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

$4 + 3 = \underline{\quad}$

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

$4 + 9 = \underline{\quad}$

$4 + 10 = \underline{\quad}$

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

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

$5 + 6 = \underline{\quad}$

$5 + 7 = \underline{\quad}$

$5 + 5 = \underline{\quad}$

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

$5 + 3 = \underline{\quad}$

$5 + 8 = \underline{\quad}$

$5 + 9 = \underline{\quad}$

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

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

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

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

$6 + 5 = \underline{\quad}$

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

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

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

$6 + 8 = \underline{\quad}$

$6 + 7 = \underline{\quad}$

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

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

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

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

$6 + 10 = \underline{\quad}$

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

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

$7 + 2 = \underline{\quad}$

$7 + 6 = \underline{\quad}$

$7 + 5 = \underline{\quad}$

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

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

$7 + 3 = \underline{\quad}$

$7 + 8 = \underline{\quad}$

$7 + 7 = \underline{\quad}$

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

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

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

$7 + 9 = \underline{\quad}$

$7 + 10 = \underline{\quad}$

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

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

$8 + 1 = \underline{\quad}$

$8 + 6 = \underline{\quad}$

$8 + 5 = \underline{\quad}$

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

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

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

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

$8 + 7 = \underline{\quad}$

$8 - 7 = \underline{\quad}$

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

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

$8 + 9 = \underline{\quad}$

$8 + 11 = \underline{\quad}$

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

$8 - 4 = \underline{\quad}$

$9 + 1 = \underline{\quad}$

$9 + 2 = \underline{\quad}$

$9 + 5 = \underline{\quad}$

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

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

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

$9 + 8 = \underline{\quad}$

$9 + 7 = \underline{\quad}$

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

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

$9 + 4 = \underline{\quad}$

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

$9 + 11 = \underline{\quad}$

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

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

$10 + 1 = \underline{\quad}$

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

$10 - 1 = \underline{\quad}$

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

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

$10 + 3 = \underline{\quad}$

$10 + 8 = \underline{\quad}$

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

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

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

$10 + 10 = \underline{\quad}$

$10 + 9 = \underline{\quad}$

$10 - 8 = \underline{\quad}$

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

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

$11 + 1 = \underline{\quad}$

$11 + 2 = \underline{\quad}$

$11 - 9 = \underline{\quad}$

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

$11 - 2 = \underline{\quad}$

$11 + 3 = \underline{\quad}$

$11 + 8 = \underline{\quad}$

$11 - 8 = \underline{\quad}$

$11 - 7 = \underline{\quad}$

$11 - 3 = \underline{\quad}$

$11 + 4 = \underline{\quad}$

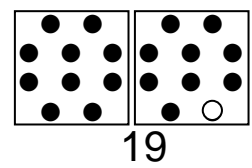
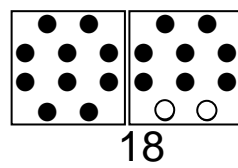
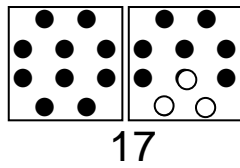
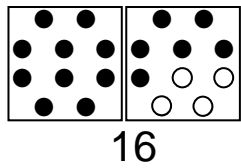
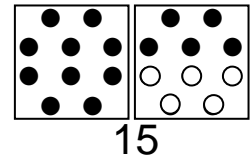
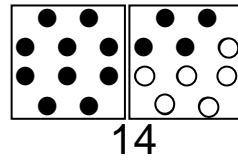
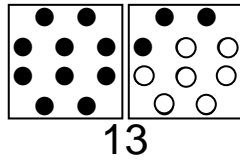
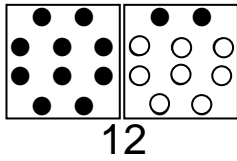
$11 + 9 = \underline{\quad}$

$11 - 10 = \underline{\quad}$

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

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

Rechne mit den Augen (auch ohne, wenn du kannst)



$12 + 1 = \underline{\quad}$ $12 + 2 = \underline{\quad}$ $12 - 1 = \underline{\quad}$ $12 - 5 = \underline{\quad}$ $12 - 2 = \underline{\quad}$

$12 + 3 = \underline{\quad}$ $12 + 8 = \underline{\quad}$ $12 - 9 = \underline{\quad}$ $12 - 7 = \underline{\quad}$ $12 - 3 = \underline{\quad}$

$12 + 4 = \underline{\quad}$ $12 + 7 = \underline{\quad}$ $12 - 8 = \underline{\quad}$ $12 - 6 = \underline{\quad}$ $12 - 4 = \underline{\quad}$

$13 + 1 = \underline{\quad}$ $13 + 2 = \underline{\quad}$ $13 - 9 = \underline{\quad}$ $13 - 5 = \underline{\quad}$ $13 - 2 = \underline{\quad}$

$13 + 3 = \underline{\quad}$ $13 + 6 = \underline{\quad}$ $13 - 8 = \underline{\quad}$ $13 - 7 = \underline{\quad}$ $13 - 3 = \underline{\quad}$

$13 + 4 = \underline{\quad}$ $13 + 7 = \underline{\quad}$ $13 - 10 = \underline{\quad}$ $13 - 6 = \underline{\quad}$ $13 - 4 = \underline{\quad}$

$14 + 1 = \underline{\quad}$ $14 + 2 = \underline{\quad}$ $14 - 1 = \underline{\quad}$ $14 - 5 = \underline{\quad}$ $14 - 2 = \underline{\quad}$

$14 + 3 = \underline{\quad}$ $14 + 8 = \underline{\quad}$ $14 - 9 = \underline{\quad}$ $14 - 7 = \underline{\quad}$ $14 - 3 = \underline{\quad}$

$14 + 4 = \underline{\quad}$ $14 + 7 = \underline{\quad}$ $14 - 8 = \underline{\quad}$ $14 - 6 = \underline{\quad}$ $14 - 4 = \underline{\quad}$

$15 + 1 = \underline{\quad}$ $15 + 2 = \underline{\quad}$ $15 - 9 = \underline{\quad}$ $15 - 5 = \underline{\quad}$ $15 - 2 = \underline{\quad}$

$15 + 3 = \underline{\quad}$ $15 + 5 = \underline{\quad}$ $15 - 8 = \underline{\quad}$ $15 - 7 = \underline{\quad}$ $15 - 3 = \underline{\quad}$

$15 + 4 = \underline{\quad}$ $15 + 0 = \underline{\quad}$ $15 - 10 = \underline{\quad}$ $15 - 6 = \underline{\quad}$ $15 - 4 = \underline{\quad}$

$16 + 1 = \underline{\quad}$ $16 - 2 = \underline{\quad}$ $16 - 1 = \underline{\quad}$ $16 - 5 = \underline{\quad}$ $16 - 2 = \underline{\quad}$

$16 + 3 = \underline{\quad}$ $16 - 8 = \underline{\quad}$ $16 - 9 = \underline{\quad}$ $16 - 7 = \underline{\quad}$ $16 - 3 = \underline{\quad}$

$17 + 2 = \underline{\quad}$ $17 - 2 = \underline{\quad}$ $17 - 9 = \underline{\quad}$ $17 - 10 = \underline{\quad}$ $17 - 4 = \underline{\quad}$

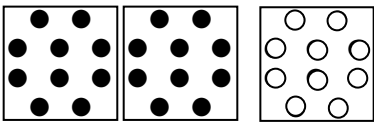
$17 + 3 = \underline{\quad}$ $17 - 5 = \underline{\quad}$ $17 - 8 = \underline{\quad}$ $17 - 7 = \underline{\quad}$ $17 - 3 = \underline{\quad}$

$18 + 2 = \underline{\quad}$ $18 - 2 = \underline{\quad}$ $18 - 9 = \underline{\quad}$ $18 - 10 = \underline{\quad}$ $18 - 14 = \underline{\quad}$

$18 + 1 = \underline{\quad}$ $18 - 5 = \underline{\quad}$ $18 - 8 = \underline{\quad}$ $18 - 11 = \underline{\quad}$ $18 - 13 = \underline{\quad}$

$19 + 2 = \underline{\quad}$ $19 - 2 = \underline{\quad}$ $19 - 9 = \underline{\quad}$ $19 - 10 = \underline{\quad}$ $19 - 4 = \underline{\quad}$

$19 + 3 = \underline{\quad}$ $19 - 5 = \underline{\quad}$ $19 - 8 = \underline{\quad}$ $19 - 11 = \underline{\quad}$ $19 - 3 = \underline{\quad}$



20

$20 + 2 = \underline{\quad}$
 $20 + 4 = \underline{\quad}$
 $20 + 9 = \underline{\quad}$
 $20 + 10 = \underline{\quad}$
 $20 + 7 = \underline{\quad}$

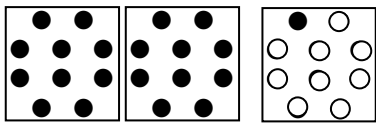
$20 + 3 = \underline{\quad}$
 $20 + 5 = \underline{\quad}$
 $20 + 8 = \underline{\quad}$
 $20 + 1 = \underline{\quad}$
 $20 + 6 = \underline{\quad}$

$20 - 2 = \underline{\quad}$
 $20 - 4 = \underline{\quad}$
 $20 - 9 = \underline{\quad}$
 $20 - 10 = \underline{\quad}$
 $20 - 6 = \underline{\quad}$

$20 - 3 = \underline{\quad}$
 $20 - 5 = \underline{\quad}$
 $20 - 8 = \underline{\quad}$
 $20 - 11 = \underline{\quad}$
 $20 - 3 = \underline{\quad}$

$20 - 12 = \underline{\quad}$
 $20 - 14 = \underline{\quad}$
 $20 - 19 = \underline{\quad}$
 $20 - 1 = \underline{\quad}$
 $20 - 17 = \underline{\quad}$

$20 - 13 = \underline{\quad}$
 $20 - 15 = \underline{\quad}$
 $20 - 18 = \underline{\quad}$
 $20 - 16 = \underline{\quad}$
 $20 - 20 = \underline{\quad}$



21

$21 - 2 = \underline{\quad}$
 $21 - 4 = \underline{\quad}$
 $21 - 9 = \underline{\quad}$
 $21 - 10 = \underline{\quad}$
 $21 - 6 = \underline{\quad}$

$21 - 3 = \underline{\quad}$
 $21 - 5 = \underline{\quad}$
 $21 - 8 = \underline{\quad}$
 $21 - 11 = \underline{\quad}$
 $21 - 3 = \underline{\quad}$

$21 - 12 = \underline{\quad}$
 $21 - 14 = \underline{\quad}$
 $21 - 19 = \underline{\quad}$
 $21 - 1 = \underline{\quad}$
 $21 - 17 = \underline{\quad}$

$21 - 13 = \underline{\quad}$
 $21 - 15 = \underline{\quad}$
 $21 - 18 = \underline{\quad}$
 $21 - 16 = \underline{\quad}$
 $21 - 20 = \underline{\quad}$

Rechenhilfen

