MatematikKatten

59 · 78 =

•	7	8
5		
9		

Gangekasse system

Nr. 1.

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Intro:

Step 1:

$12 \cdot 14 =$

•		

Step 2:

$12 \cdot 14 =$

•	1	4
1		
2		

Step 3:

$12 \cdot 14 =$

•	1	4
1	1	4
2	2	8

Step 4:

$12 \cdot 14 = 168$

•	1	4	
1	~~1~~	~~4~~	2+4=6
2	2	~~8~~	0+8=8
			0+1=1

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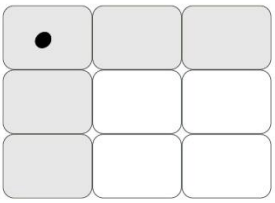
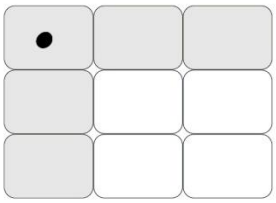
Lav opgaverne på samme måde som i introen:

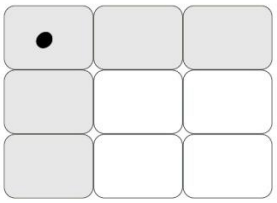
$12 \cdot 14 =$



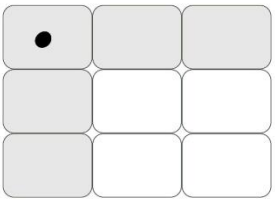
$11 \cdot 10 =$



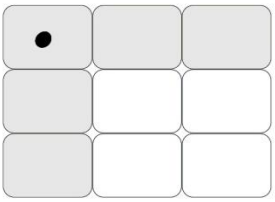
$12 \cdot 13 =$



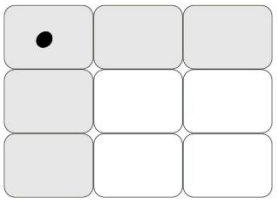
$12 \cdot 12 =$



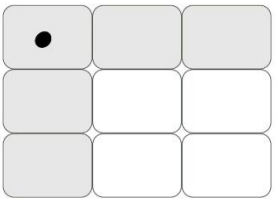
$11 \cdot 11 =$



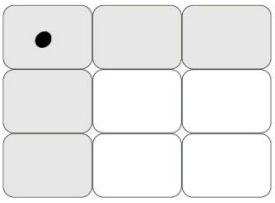
$10 \cdot 12 =$



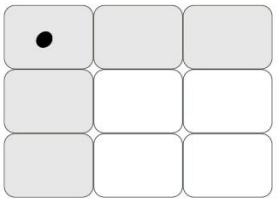
$14 \cdot 11 =$



$10 \cdot 15 =$



$10 \cdot 19 =$



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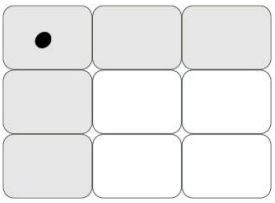
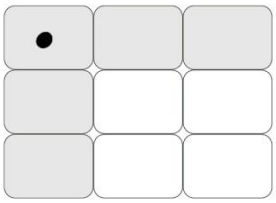
Lav opgaverne på samme måde som i introen:

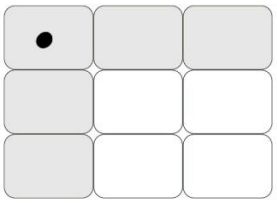
$10 \cdot 17 =$



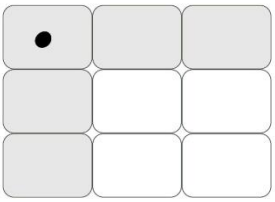
$11 \cdot 15 =$



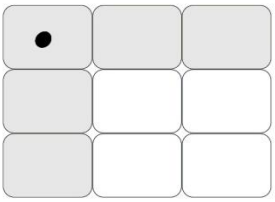
$33 \cdot 11 =$



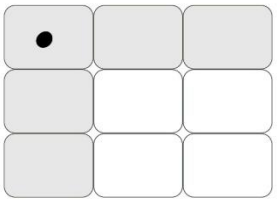
$34 \cdot 11 =$



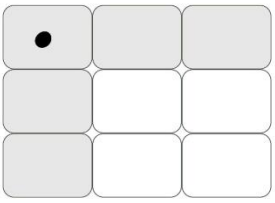
$40 \cdot 10 =$



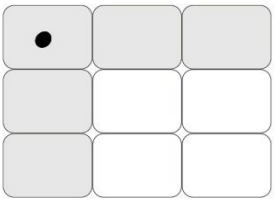
$24 \cdot 11 =$



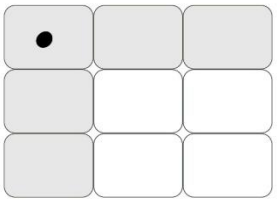
$53 \cdot 10 =$



$90 \cdot 10 =$



$80 \cdot 11 =$



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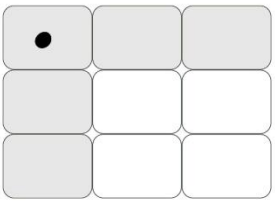
Intro:

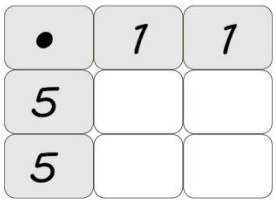
Step 1:

$55 \cdot 11 =$



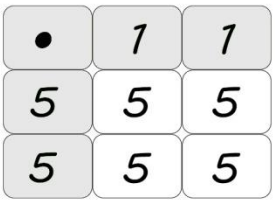
Step 2:

$55 \cdot 11 =$



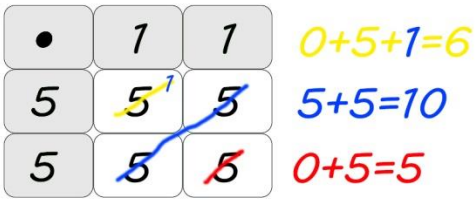
Step 3:

$55 \cdot 11 =$



Step 4:

$55 \cdot 11 = 605$



0+5+1=6

5+5=10

0+5=5

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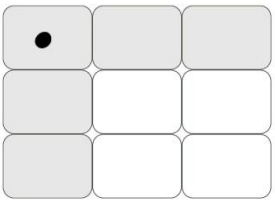
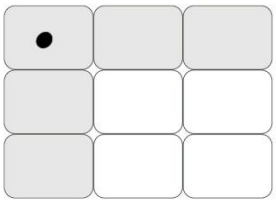
Lav opgaverne på samme måde som i introen:

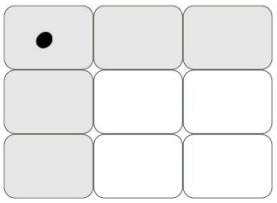
$69 \cdot 11 =$



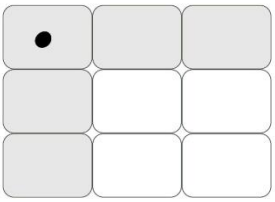
$79 \cdot 11 =$



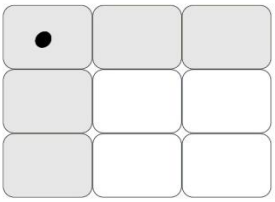
$82 \cdot 11 =$



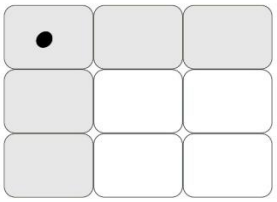
$67 \cdot 11 =$



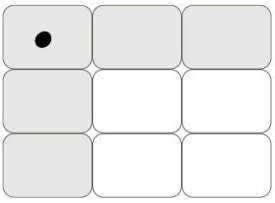
$74 \cdot 11 =$



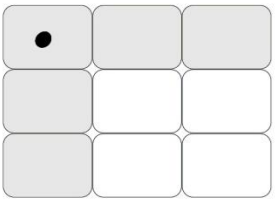
$89 \cdot 11 =$



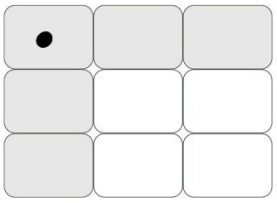
$57 \cdot 11 =$



$83 \cdot 11 =$



$86 \cdot 11 =$



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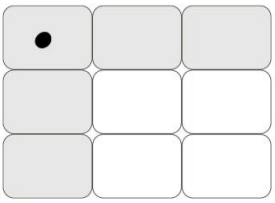
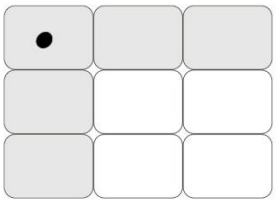
Lav opgaverne på samme måde som i introen:

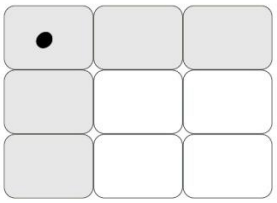
$68 \cdot 11 =$



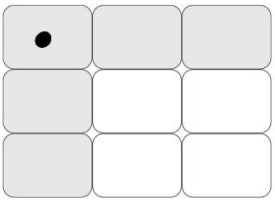
$75 \cdot 11 =$



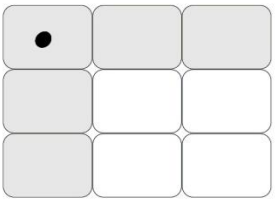
$88 \cdot 11 =$



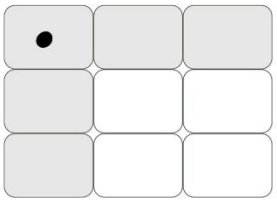
$59 \cdot 11 =$



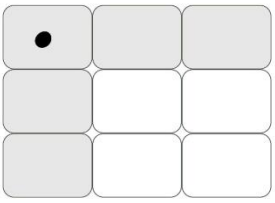
$77 \cdot 11 =$



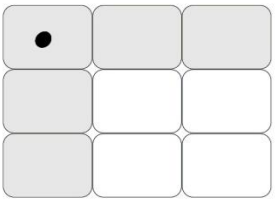
$84 \cdot 11 =$



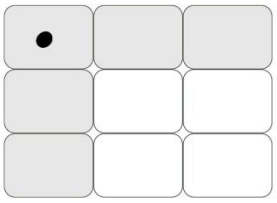
$56 \cdot 11 =$



$66 \cdot 11 =$



$73 \cdot 11 =$



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Intro:

Step 1:

$97 \cdot 11 =$

•		

Step 2:

$97 \cdot 11 =$

•	1	1
9		
7		

Step 3:

$97 \cdot 11 =$

•	1	1
9	9	9
7	7	7

Step 4:

$97 \cdot 11 = 1067$

•	1	1	0+9+1=10
9	9 (1)	9	7+9=16
7	7	7	0+7=7

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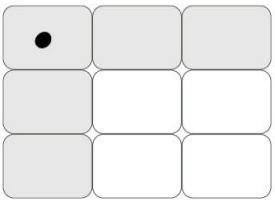
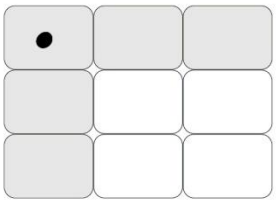
Lav opgaverne på samme måde som i introen:

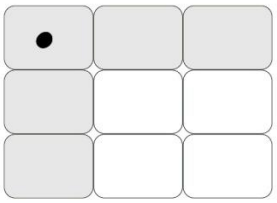
$91 \cdot 11 =$



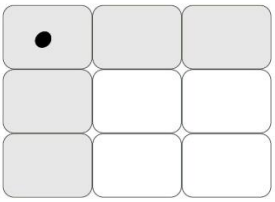
$95 \cdot 11 =$



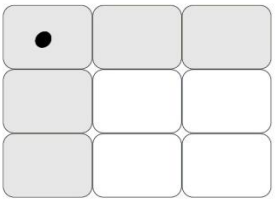
$97 \cdot 11 =$



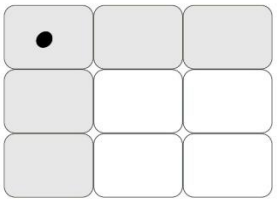
$98 \cdot 11 =$



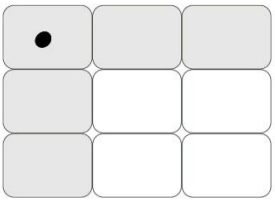
$93 \cdot 11 =$



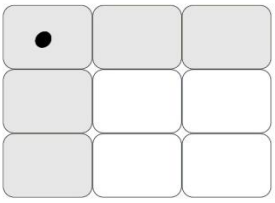
$96 \cdot 11 =$



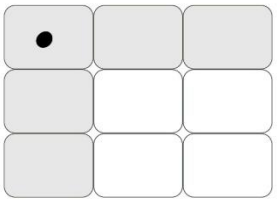
$92 \cdot 11 =$



$99 \cdot 11 =$



$94 \cdot 11 =$



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Intro:

Step 1:

$55 \cdot 56 =$

•		

Step 2:

$55 \cdot 56 =$

•	5	6
5		
5		

Step 3:

$55 \cdot 56 =$

•	5	6
5	25	30
5	25	30

Step 4:

$55 \cdot 56 = 3080$

•	5	6	
5	25 (5)	30 (3)	0+25+5=30
5	25	30	25+30+3=58
			0+30=30

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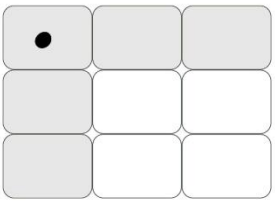
Lav opgaverne på samme måde som i introen:

$49 \cdot 35 =$



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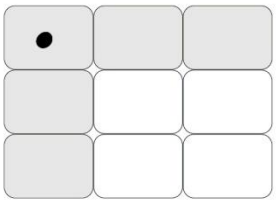

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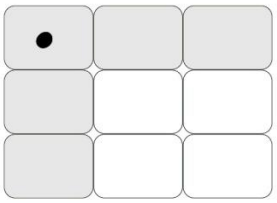

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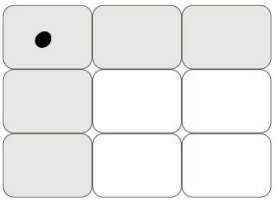

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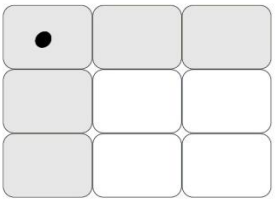

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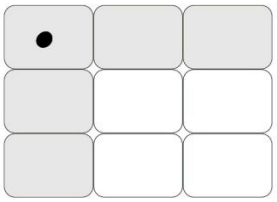

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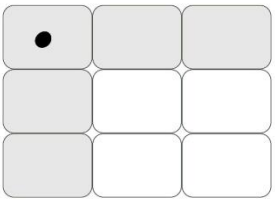

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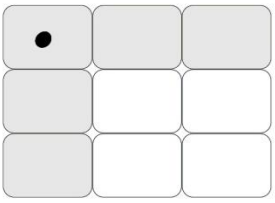

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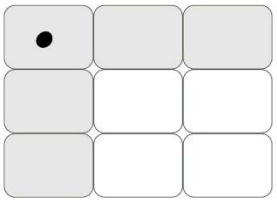

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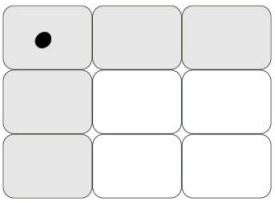
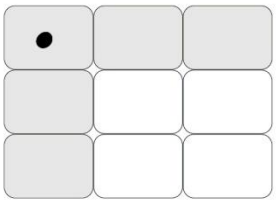
Lav opgaverne på samme måde som i introen:

88 · 43 =



54 · 36 =



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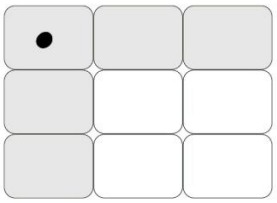

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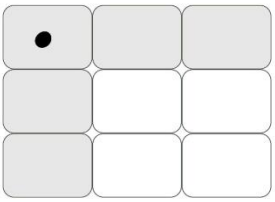

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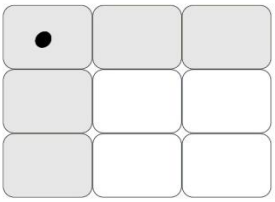

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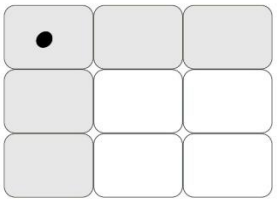

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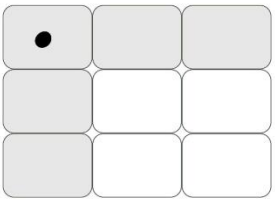
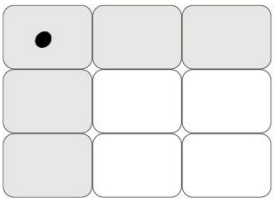
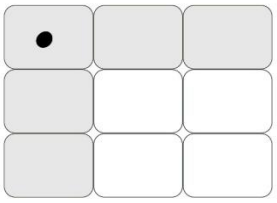


64 · 77 =



57 · 59 =



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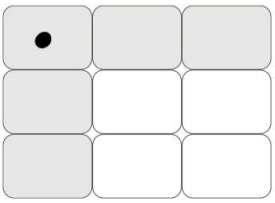
Lav opgaverne på samme måde som i introen:

$68 \cdot 56 =$



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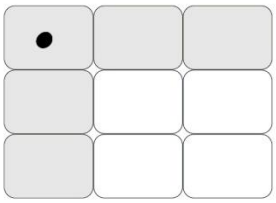

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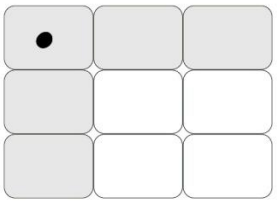

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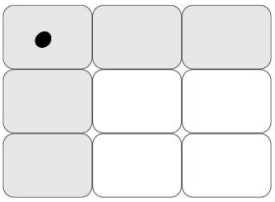

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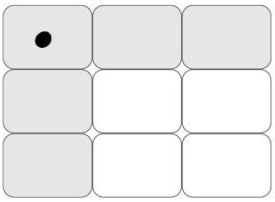

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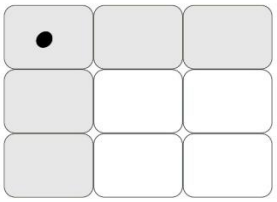

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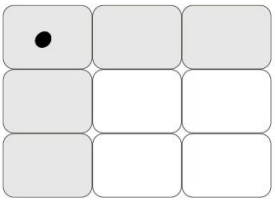

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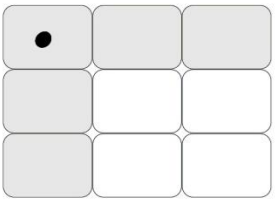

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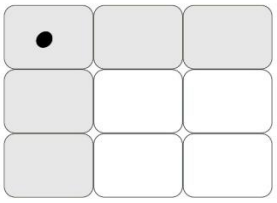

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Lav opgaverne på samme måde som i introen:

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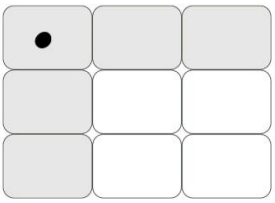

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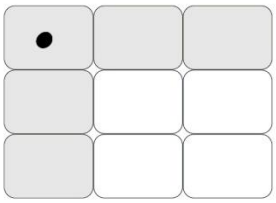

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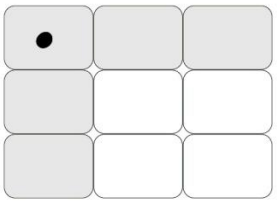

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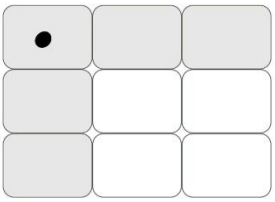

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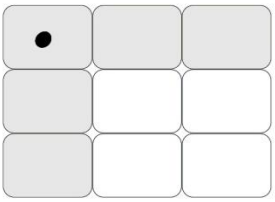

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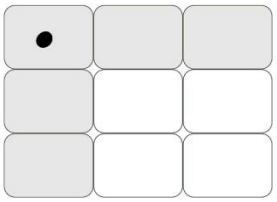

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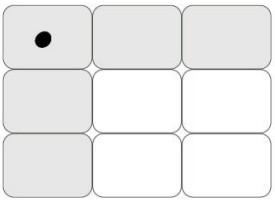

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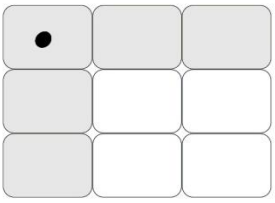

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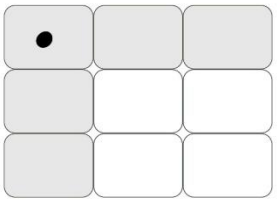

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Intro:

Step 1:

$59 \cdot 78 =$

•		

Step 2:

$59 \cdot 78 =$

•	7	8
5		
9		

Step 3:

$59 \cdot 78 =$

•	7	8
5	35	40
9	63	72

Step 4:

$59 \cdot 78 = 4602$

•	7	8	
5	35 (11)	40 (7)	0+35+11=46
9	63	72	63+40+7=110
			0+72=72

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Lav opgaverne på samme måde som i introen:

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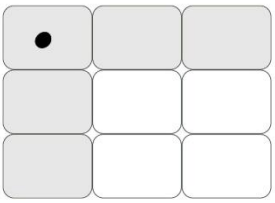

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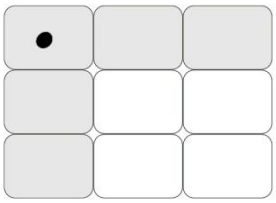

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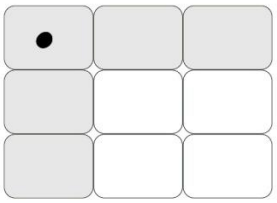

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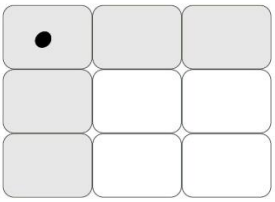

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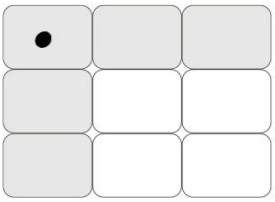

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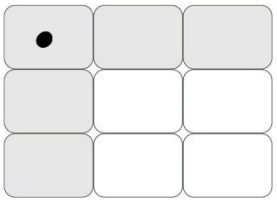

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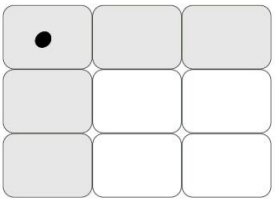
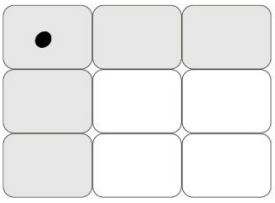


$68 \cdot 77 =$



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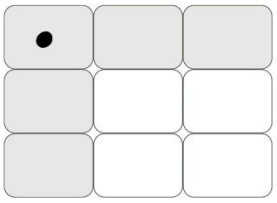

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Bogen "MatematikKatten – Gangekasse system – Nr. 1" er første bog i serien om gangekassen, og er lavet til elever, der oplever, at matematikken er i vanskeligheder. Elever som oplever, at matematikken er i vanskeligheder, har brug for genkendelighed og gentagelser. Bogen byder derfor på mange gentagelser samt genkendelighed, der gør denne bog anvendelig for elever der oplever, at matematikken er i vanskeligheder.

Tallene er skrevet på den måde eleverne ofte selv vil skrive dem, det gør, derfor materialet genkendeligt for eleverne.

Rigtig god fornøjelse med bogen.

Om Matematik i vanskeligheder

Matematik i vanskeligheder laver produkter samt undervisningsmaterialer til elever, som oplever at matematikken er i vanskeligheder. Jeg arbejder ud fra en positiv filosofi om, at det er matematikken, som er i vanskeligheder og ikke den enkelte elev.

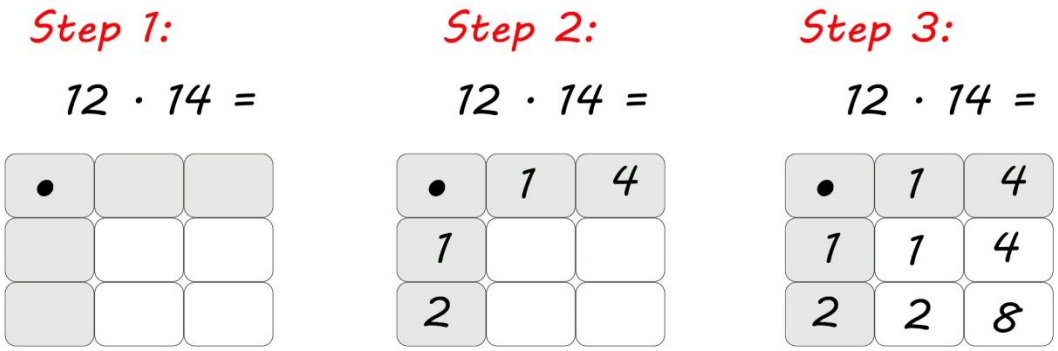
Gør som alle andre og følg Matematik i Vanskeligheder her:
Facebook: https://www.facebook.com/matematikivanskeligheder
Instagram: http://instagram.com/matematikivanskeligheder.dk/
Hjemmeside: https://matematikivanskeligheder.dk/

Husk at du kan støtte Matematik i Vanskeligheder med det beløb du ønsker, og bidrage til videreudviklingen af nye materialer. MobilePay 61 78 65 95

Matematik i Vanskeligheder er beskyttet af lov om ophavsret og kan kopieres i henhold til gældende Copydan Tekst & Node-aftaler

CopyRight Matematik i vanskeligheder

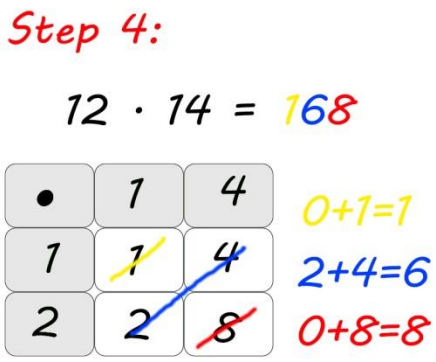
Hvordan bruges bogen:



Step 2: Skriv gangestykket ind i kassen som vist i Step 2. (De grå felter)

Step 3: Start med at gange de grå felter med hinanden. 1x1 = 1. 1x4 = 4. 2x1 = 2 2x4 = 8

Step 4: Eleven har nu ganget, og skrevet tallene som vist i step 3. Nu skal eleven regne resultatet ud. Det gør eleven ved at bruge regnearten plus. Kasserne skal plusses, det gør eleven ved at plusse skråt som vist i step 4. Hvis der kun er en kasse som i det første tilfælde. (Rød) plusser eleven med 0. dvs. 8+0=8. Det skriver eleven som det bagerste tal. Derefter er det den næste skrå rækken eleven skal plusse (Blå) 4+2=6. Eleven skriver 6 som det næste tal i resultatet (foran tallet 8). Det sidste eleven skal gøre er, at plusse den sidste kasse. Da der ikke er andre kasser den rammer skråt (gul) plusser eleven 0+1=1. Det skriver eleven på den første plads. Eleven har nu udregnet 12x14= 168.



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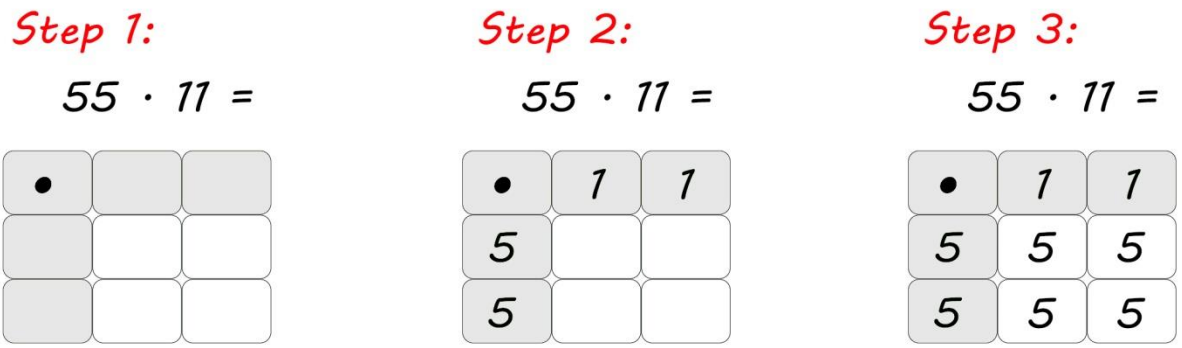
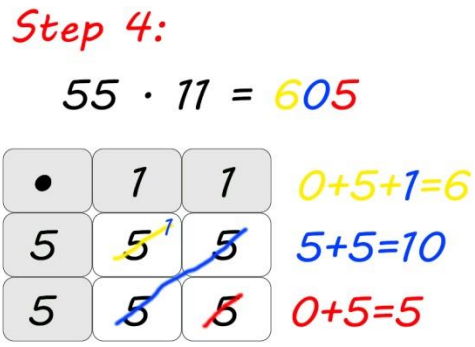
Hvordan bruges bogen:



Step 2: Skriv gangestykket ind i kassen som vist i Step 2. (De grå felter)

Step 3: Start med at gange de grå felter med hinanden. 1x5 = 5. 1x5 = 5. 1x5 = 5 1x5 = 5

Step 4: Eleven har nu ganget, og skrevet tallene som vist i step 3. Nu skal eleven regne resultatet ud. Det gør eleven ved at bruge regnearten plus. Kasserne skal plusses, det gør eleven ved at plusse skråt som vist i step 4. Hvis der kun er en kasse som i det første tilfælde. (Rød) plusser eleven med 0. dvs. 5+0=5. Det skriver eleven som det bagerste tal. Derefter er det den næste skrå rækken eleven skal plusse (Blå) 5+5=10. Eleven skriver 0 som det næste tal i resultatet (foran tallet 5). Herefter sætter eleven 1-tallet op i den næse kasse. Det sidste eleven skal gøre er, at plusse den sidste kasse. Da der ikke er andre kasser den rammer skråt (gul) plusser eleven 0+5=5, men nu skal eleven huske den 1 i mente. Dvs. 5+1=6. 6 skriver eleven på den første plads. Eleven har nu udregnet 55x11= 605.



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