



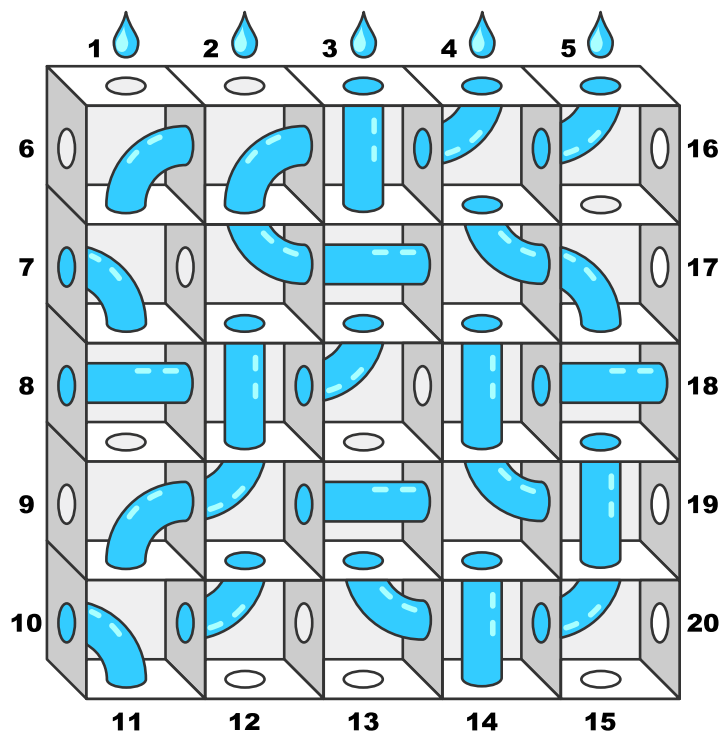
Yr Adran Fathemateg

PAWB

Croeso'n ôl i'r

Adran Fathemateg

Atebion



Pos: Ble mae'r dŵr yn tollti allan os yw'n cael ei doltti i mewn i dwll 1? Beth am dwll 2? Twll 3? Twll 4? Twll 5?

1-6, 2-14, 3-8, 4-19, 5-18

Cynnwys

Mathemateg	Rhif y Dudalen
Mathemateg Pen	2
Adnabod y Siapiau	3
Trefor Trwsgwl	4
Ymarfer Deallus	5
Ymchwiliad y Grid	7



Mathemateg Pen



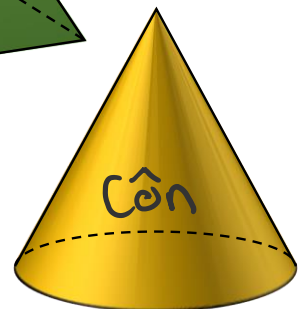
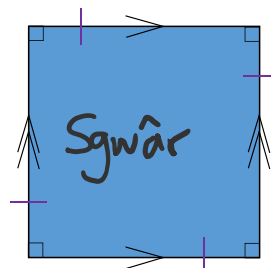
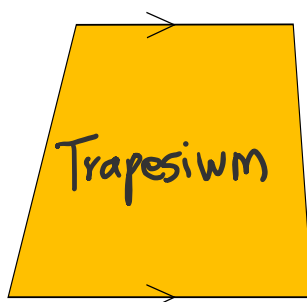
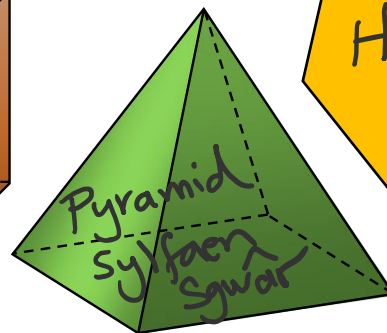
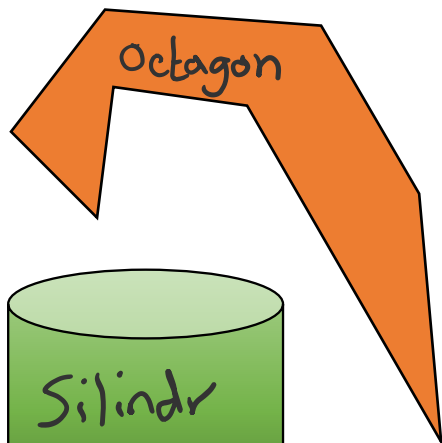
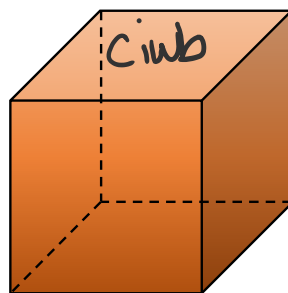
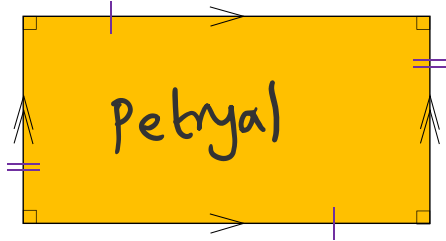
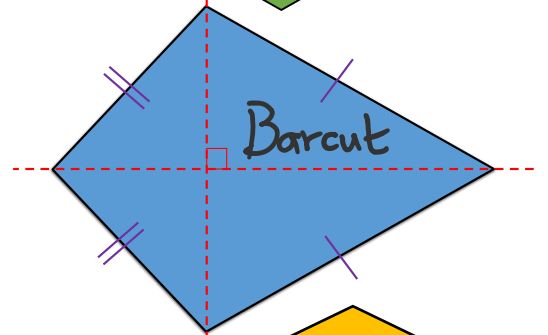
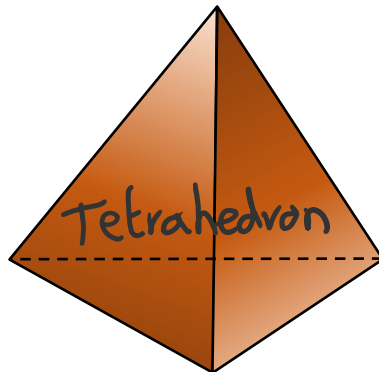
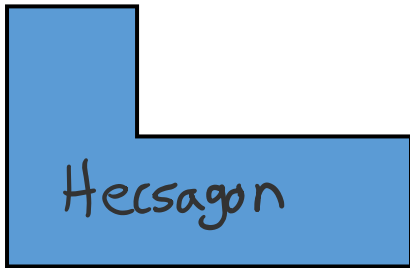
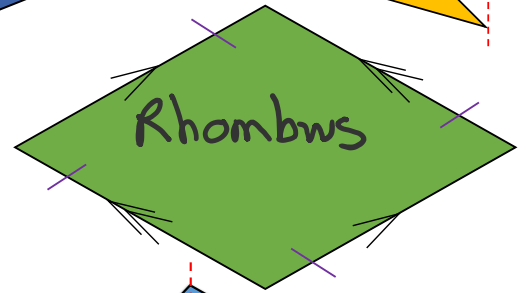
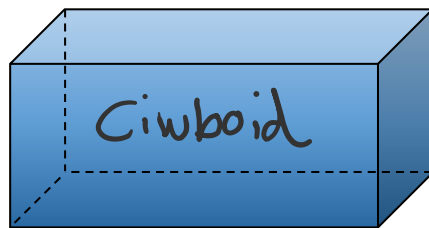
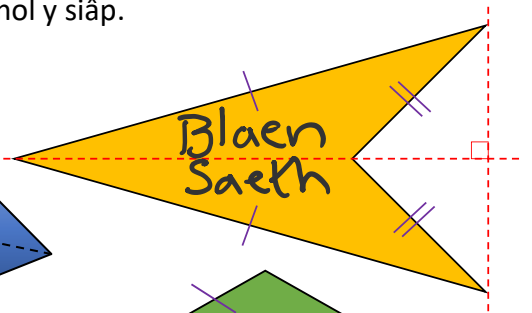
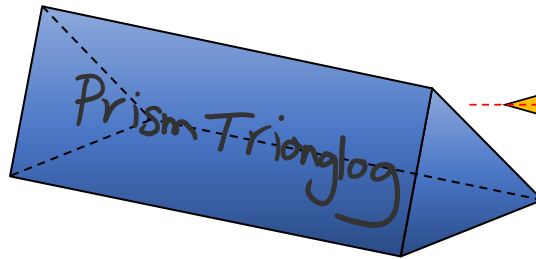
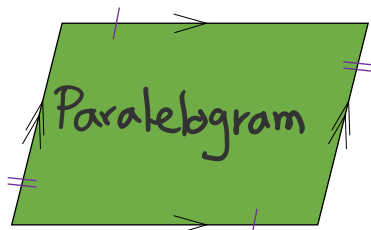
$2 + 4$ 6	$4 + 9$ 13	$12 + 24$ 36	$28 + 15$ 43	$99 + 5$ 104	$321 + 500$ 821
$9 - 2$ 7	$19 - 2$ 17	$12 - 9$ 3	$36 - 13$ 23	$24 - 17$ 7	$108 - 21$ 87
$0.2 + 0.3$ 0.5	$1.4 + 0.2$ 1.6	$1.3 + 3.5$ 4.8	$0.8 + 0.4$ 1.2	$4.5 + 3.9$ 8.4	$2 + 0.3$ 2.3
$0.9 - 0.2$ 0.7	$5.8 - 0.1$ 5.7	$4.3 - 0.4$ 3.9	$5.7 - 2.5$ 3.2	$5.7 - 2.8$ 2.9	$2 - 0.3$ 1.7
Times Tables Rock Stars					
3×5 15	2×7 14	4×6 24	8×4 32	12×2 24	5×5 25
$16 \div 2$ 8	4×9 36	8×5 40	6×7 42	11×6 66	10×7 70
6×1 6	4×3 12	$28 \div 4$ 7	8×7 56	6×0 0	3×6 18
9×7 63	12×5 60	9×3 27	6×6 36	1×7 7	4×10 40
5×2 10	3×13 39	2×3 6	7×5 35	12×11 132	8×3 24
0×5 0	9×12 108	$64 \div 8$ 8	6×9 54	7×10 70	9×8 72
3^2 9	7^2 49	9^2 81	2^3 8	3^3 27	4^3 64
$\frac{1}{2} \text{ o } \pounds 50$ £25	$\frac{1}{3} \text{ o } \pounds 12$ £4	$\frac{3}{4} \text{ o } \pounds 20$ £15	10% o £26 £2.60	20% o £20 £4	30% o £12 £3.60
3×0.4 1.2	5×1.5 7.5	$4.2 \div 6$ 0.7	$3 - 8$ -5	$-2 + 9$ 7	$-6 - 7$ -13

— allan o 78



Adnabod y Siapiau

Ysgrifennwch enw bob siâp yng nghanol y siâp.



Trefor Trwsgwl

Mae ein annwyl brifathro wedi bod wrthi'n gwneud symiau mathemategol. Yn anffodus, nid yw pob swm yn gywir! Eich tasg chi yw marcio'r gwaith, a darganfod faint allan o 10 cafodd Mr Jones yn gywir?

- Y cwestiynau: 1) $573 + 389$ 2) $593 - 247$ 3) $3.4 + 10 + 4.7$
 4) $2 \div 4$ 5) 32×57 6) 7^3
 7) $356 \div 4$ 8) 20% o £48 9) $-9 + 5$
 10) Ysgrifennwch y rhifau canlynol mewn trefn, o'r lleiaf i'r mwyaf: 4.2, 2.4, 2.04, 4.02, 2.24

Gwaith cyfrifo Mr Jones:

1)
$$\begin{array}{r} 573 \\ +389 \\ \hline 962 \\ \hline \end{array}$$
 ✓

2)
$$\begin{array}{r} 593 \\ -247 \\ \hline 354 \end{array}$$
 ✗

3)
$$\begin{array}{r} 3.4 \\ +4.7 \\ \hline 9.1 \end{array}$$
 ✗

4) $2 \div 4 = 2$ ✗
 $\frac{1}{2}$ neu 0.5

5)

	3	2	
1	1	5	1
2	1	1	4
8			7

 Ateb: 1,824 ✓

6) $7^3 = 21$ ✗
 $7 \times 7 \times 7 = 343$

7)
$$\begin{array}{r} 39 \\ 4 \overline{) 3536} \\ \underline{40} \\ 13 \\ \underline{12} \\ 16 \\ \underline{16} \\ 0 \end{array}$$
 ✗

8) 10% £4.80
 20% £9.60 ✓

9) $-9 + 5 = -4$ ✓

10) 2.04, 2.24, 2.4, 4.02, 4.2 ✓

Mr Jones:

Chi:

5 allan o 10 _____ allan o 10

Ymarfer Deallus

Atebwch y cwestiynau canlynol ar y papur sgwariau isod, gan ddefnyddio'r cysylltiadau rhwng y cwestiynau i helpu (trafodwch efo partner).

- | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. Mae 2 tegan yn costio £30.
Beth yw cost 1 tegan?</p> <p>2. Mae 2 feiro'n costio £30.
Beth yw cost 1 beiro?</p> <p>3. Mae 4 beiro'n costio £30.
Beth yw cost 1 beiro?</p> <p>4. Mae 4 beiro'n costio £60.
Beth yw cost 1 beiro?</p> <p>5. Mae 6 beiro'n costio £90.
Beth yw cost 1 beiro?</p> <p>6. Mae 60 beiro'n costio £90.
Beth yw cost 1 beiro?</p> | <p>7. Mae 60 beiro'n costio £9.
Beth yw cost 1 beiro?</p> <p>8. Mae 60 beiro'n costio £9.
Beth yw cost 2 feiro?</p> <p>9. Mae 60 beiro'n costio £9.
Beth yw cost 20 beiro?</p> <p>10. Mae 40 beiro'n costio £9.
Beth yw cost 20 beiro?</p> <p>11. Mae 20 beiro'n costio £9.
Beth yw cost 40 beiro?</p> <p>12. Mae 5 beiro'n costio £2.25.
Beth yw cost 40 beiro?</p> | <p>13. Mae 15 beiro'n costio £2.25.
Beth yw cost 40 beiro?</p> <p>14. Mae 15 beiro'n costio £2.25.
Beth yw cost 7 beiro?</p> <p>15. Mae 15 beiro'n costio £2.25.
Beth yw cost 45 beiro?</p> <p>16. Mae n beiro'n costio £2.25.
Beth yw cost $3n$ beiro?</p> <p>17. Mae $3n$ beiro'n costio £2.25.
Beth yw cost n beiro?</p> <p>18. Mae x beiro'n costio £y.
Beth yw cost n beiro?</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

$1) 30 \div 2 = \pounds 15$	$7) 9 \div 60 = \pounds 0.15$	$13) 18 \div 3 = \pounds 6$
$2) 30 \div 2 = \pounds 15$	<p>Rhamu ateb</p> $6) \text{efo } 10$	<p>Defnyddio'r cyswilt rhwng 12 a 13</p>
<p>Yr un ateb ag 1)</p> $3) 30 \div 4 = \pounds 7.50$	$8) \pounds 0.15 \times 2 = \pounds 0.30$	$14) 2.25 \div 15 = 0.15$
<p>Hanner 2)</p> $4) 60 \div 4 = \pounds 15$	<p>Defnyddio 7)</p> $9) \pounds 0.30 \times 10 = \pounds 3$	$0.15 \times 7 = \pounds 1.05$
<p>Dwbl 3)</p> $5) 90 \div 6 = \pounds 15$	<p>Defnyddio 8)</p> $10) 3 \times 3 = 9$	<p>(cychwyn eto)</p> $15) 0.15 \times 45 = \pounds 6.75$
<p>Neu sylwi bod 4) a 5) yr un peth</p>	$9 - 2 = \pounds 4.50$	<p>Defnyddio cychwyn 14)</p>
	<p>Defnyddio'r cyswilt rhwng 9 a 10</p>	

$$6) 90 \div 60 = \pounds 1.50$$

Rhannu ateb
5) efo 10

$$11) 4.50 \times 2 = 9$$

$$9 \times 2 = \pounds 18$$

Defnyddio'r
cyswilt rhwng
10 a 11

$$12) \pounds 18$$

Defnyddio'r
cyswilt rhwng
11 a 12

$$16) 2.25 \times 3 = \pounds 6.75$$

$$17) 2.25 \div 3 = \pounds 0.75$$

$$18) \frac{y}{x} \times n = \frac{ny}{x}$$

Ymchwiliad y Grid

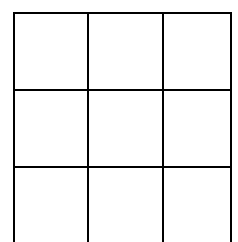
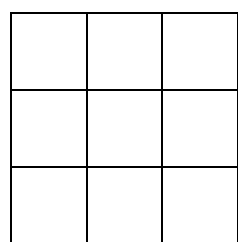
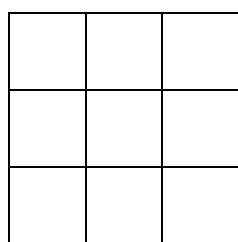
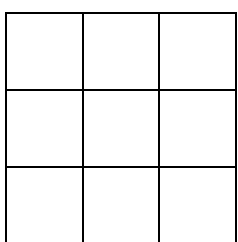
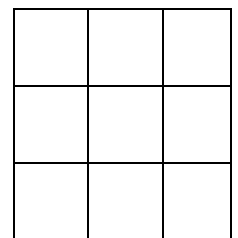
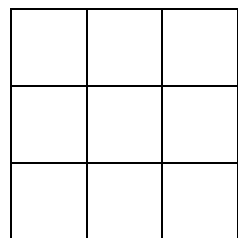
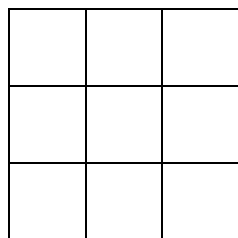
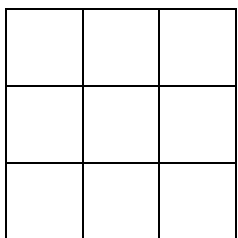
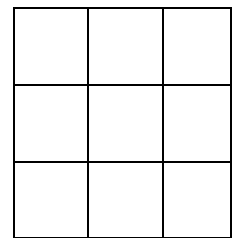
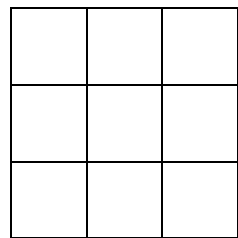
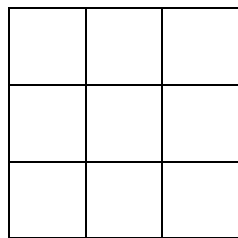
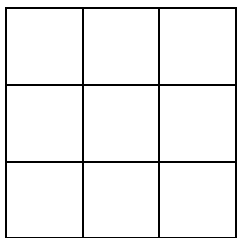
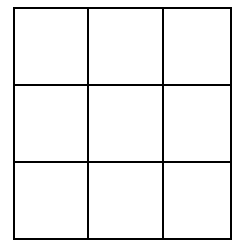
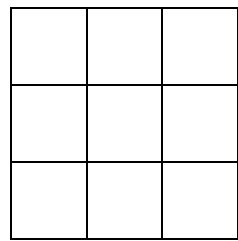
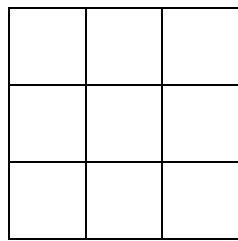
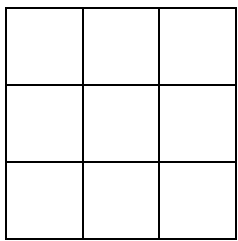
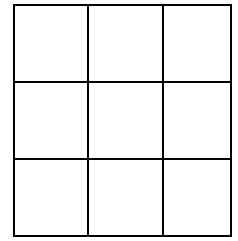
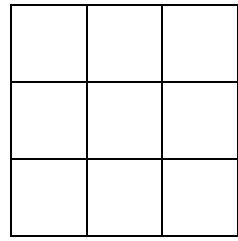
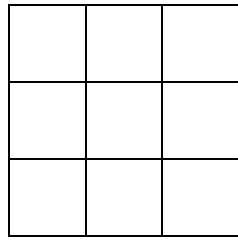
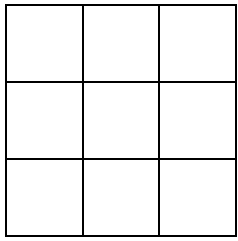
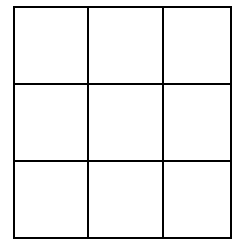
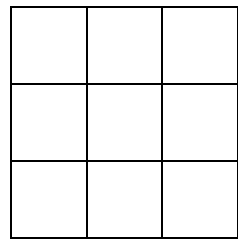
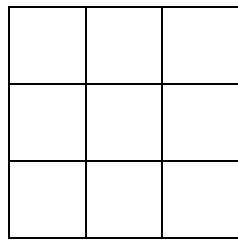
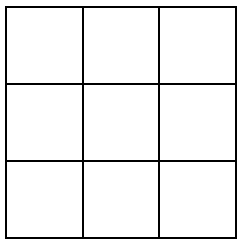
Cyfarwyddiadau:

1. Llenwch y grid uchaf efo'r holl rifau rhwng 1 a 9, mewn unrhyw drefn.
2. Llenwch y grid isaf yn y drefn a nodwyd yn y grid uchaf. Y rhif i'w lenwi i mewn yw **cyfanswm y rhifau o amgylch y cell**. Os nad oes unrhyw rifau o amgylch y cell (fel ar y cychwyn), yna llenwch y cell efo'r rhif 1.
3. Y **rhif allweddol** yw'r rhif **olaf** rydych yn ysgrifennu yn y grid isaf.

Mae'r [fideo yma ar YouTube](#) yn dangos enghreifftiau o sut i lenwi'r gridiau: bit.ly/2zPfcMs

Arbrofwch efo llenwi'r grid uchaf mewn ffyrdd gwahanol. Beth yw'r rhif allweddol **lleiaf** sy'n bosib ei greu? Beth yw'r rhif allweddol **mwyaif** sy'n bosib ei greu? Pa rifau allweddol sydd yn bosib eu creu, a pha rai sy'n amhosib eu creu?

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21			22			23			24			25			26			27			28			29			30											
1	9	4		3	5	2		1	2	3		7	6	5		1	2	3		9	6	5		6	3	2						9	1	2		4	3	2
7	3	5		9	6	7		5	9	4		8	1	4		8	9	4		8	3	1		9	1	4						8	4	3		5	9	1
8	6	2		1	8	4		8	6	7		9	2	3		7	6	5		7	4	2		8	7	5						6	7	5		7	6	8
								5	3	2		2	6	5		3	2	1		1	3	4		9	6	5						5	4	3				
								6	1	4		1	7	8		4	9	8		2	6	5		7	8	4						8	9	2				
								8	9	7		4	3	9		5	6	7		9	7	8		1	2	3						7	6	1				
								1	4	3						7	8	1		7	3	2		4	3	1												
								5	2	6						6	9	2		8	4	1		8	2	5												
								8	9	7						5	4	3		9	5	6		9	7	6												
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31			32			33			34			35			36			37			38			39			40											
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2	3	6		9	3	4		6	5	4		1	4	9						3	4	6		8	9	4		9	4	3		5	6	2		3	9	6
9	8	7		7	6	5		7	8	9		6	7	8						8	9	7		7	6	5		8	1	2		8	9	7		2	7	8
								8	7	6		8	2	4						9	7	3		5	4	2		6	5	4		7	6	4		4	5	7
								9	2	5		9	6	3						8	6	1		6	8	3		7	3	1		8	5	3		3	6	8
								1	3	4		7	1	5						2	5	4		7	9	1		8	9	2		9	1	2		1	2	9
								6	5	4		6	2	3														6	2	1						9	7	6
								7	9	3		7	4	1														9	4	3						8	4	5
								8	1	2		9	8	5														8	7	5						3	1	2
								3	4	6																		8	1	2								
								1	5	8																		9	4	3								
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41			42			43			44			45			46			47			48			49			50											
				8	9	7		1	7	8																												
				4	6	5		3	5	9																												
				1	3	2		4	2	6																												
51			52			53			54			55			56			57			58			59			60											
				2	4	5										6	7	8						6	7	8												
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				1	7	8										1	3	2						1	3	2												