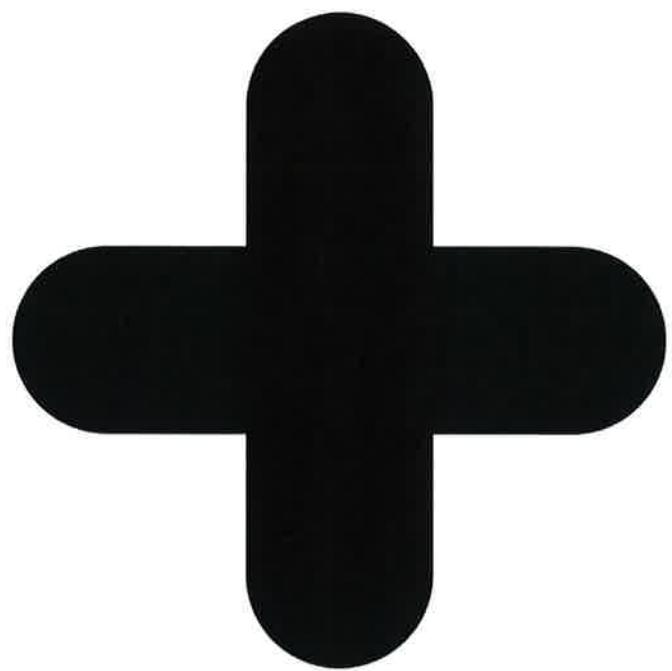




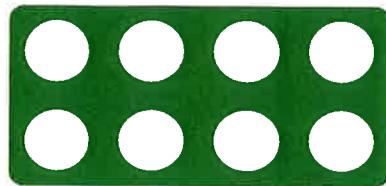
Canllawiau rhieni i strategaethau cyfrifo



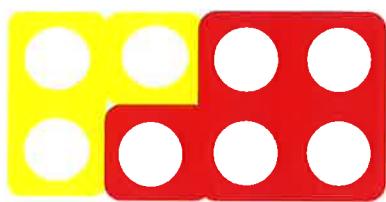
adio

1

$$5 + 3 =$$



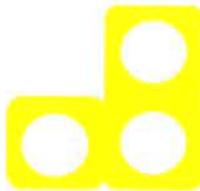
=



8

$$(5 + 3) =$$

=

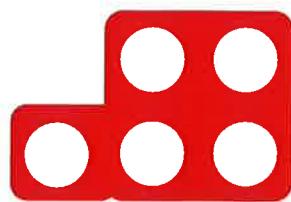


+

3

+

5



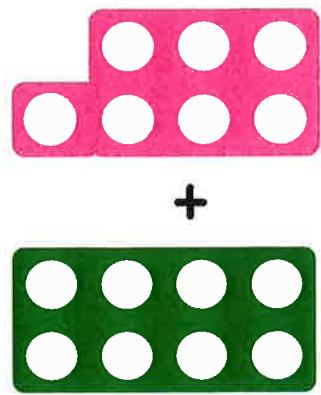
$$5 + 3 = 8$$

$$3 + 5 = 8$$

$$8 - 5 = 3$$

2

$$8 + 7 + 2 =$$

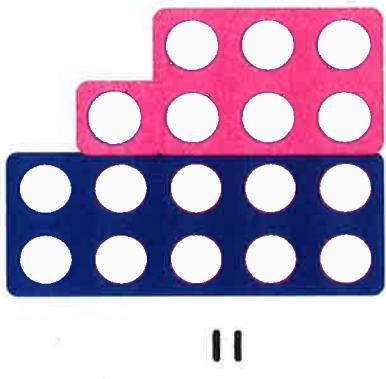


+

+

=

$$8 + 7 + 2 = (8+2) + 7 = 10 + 7$$



=

17

3

← C O I O f n →

28 + 35

Dechreuwch
gyda'r rhif
mwyaf

+ 10

- 10

-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8
-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2
-1	0	1	2	3	4	5	6	7	8	9	10	11	12
9	10	11	12	13	14	15	16	17	18	19	20	21	22
19	20	21	22	23	24	25	26	27	28	29	30	31	32
29	30	31	32	33	34	35	36	37	38	39	40	41	42
39	40	41	42	43	44	45	46	47	48	49	50	51	52
49	50	51	52	53	54	55	56	57	58	59	60	61	62
59	60	61	62	63	64	65	66	67	68	69	70	71	72
69	70	71	72	73	74	75	76	77	78	79	80	81	82
79	80	81	82	83	84	85	86	87	88	89	90	91	92
89	90	91	92	93	94	95	96	97	98	99	100	101	102
99	100	101	102	103	104	105	106	107	108	109	110	111	112
109	110	111	112	113	114	115	116	117	118	119	120	121	122

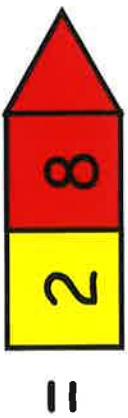
r h e s →

4

$$28 + 35 =$$



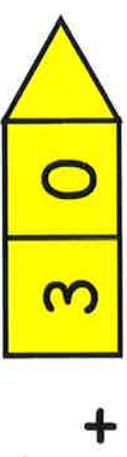
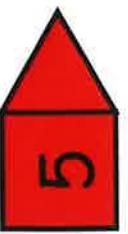
+



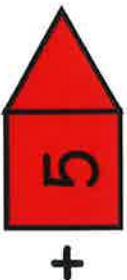
+



+



+



$$28 + 35 = 63$$

$28 + 35 = 63$	$35 + 28 = 63$
$63 - 35 = 28$	$63 - 28 = 35$

5

$$28 + 35 =$$

= 63

$$+ 5$$

$$+ 8$$

$$+ 30$$

$$+ 20$$

=

$$\rightarrow$$

$$\rightarrow$$

$$\rightarrow$$

$$13$$

+

$$= 50$$

=

$$+ 3$$

$$+ 10$$

$$= 50$$

=

$$+ 3$$

$$+ 60$$

=

$$28 + 35 = 63$$

$$35 + 28 = 63$$

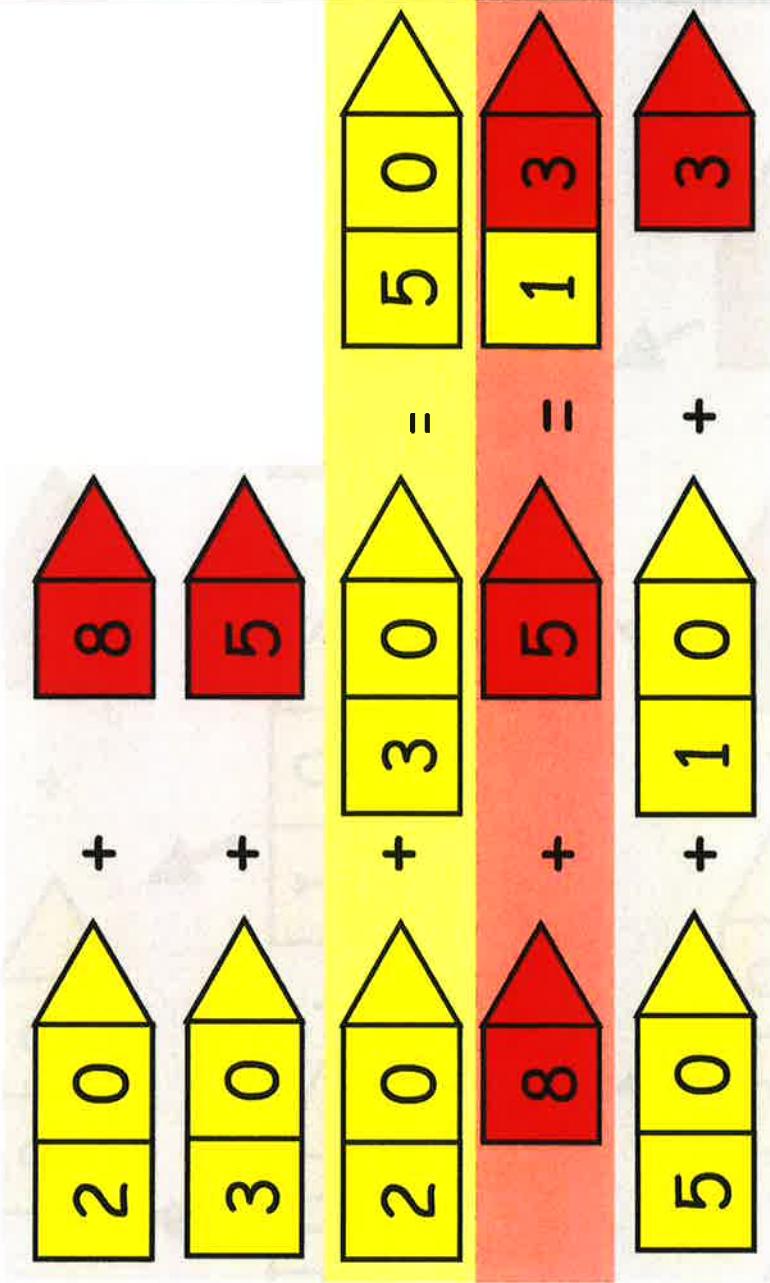
$$63 - 35 = 28$$

$$63 - 28 = 35$$

$$28 + 35$$

$$\begin{array}{r} 28 \\ + 35 \\ \hline 63 \end{array}$$

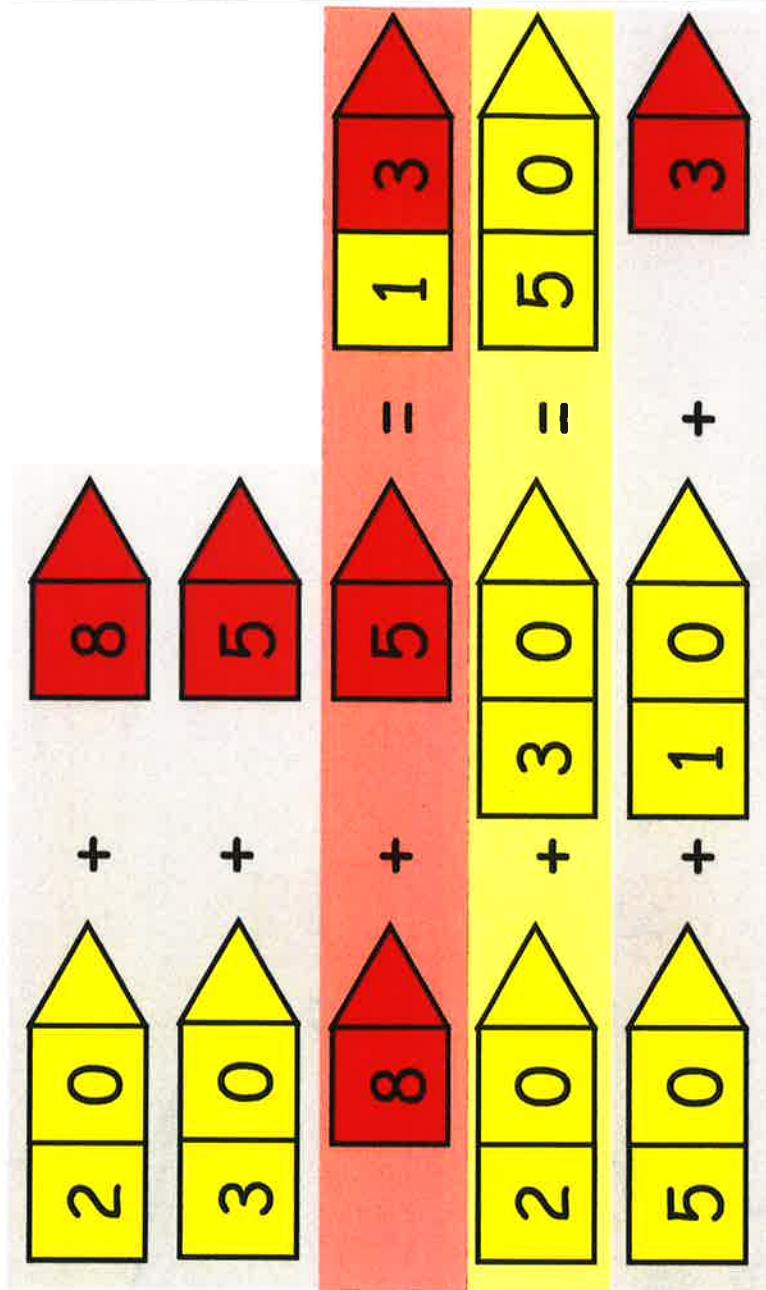
6



$$\begin{array}{r} 28 + 35 = 63 \\ 35 + 28 = 63 \\ 63 - 35 = 28 \\ 63 - 28 = 35 \end{array}$$

$$28 + 35$$

$$\begin{array}{r} 28 \\ + 35 \\ \hline 13 \\ 50 \\ \hline 63 \end{array}$$



7

$28 + 35 = 63$	$35 + 28 = 63$
$63 - 35 = 28$	$63 - 28 = 35$

$$28 + 35$$

8

8 adio 5 yw 13
(10 + 3)

1

2a

3 o'r 13

$$\begin{array}{r} 2 & 8 \\ + & 3 & 5 \\ \hline 6 & 3 \\ \hline 1 \end{array}$$

+

2b

20 adio 30 yw 50.
50 adio'r 10 wedi
ei 'gario' yw 60

3

10 wedi ei
'gario' o'r 13

$$28 + 35 = 63$$

$$35 + 28 = 63$$

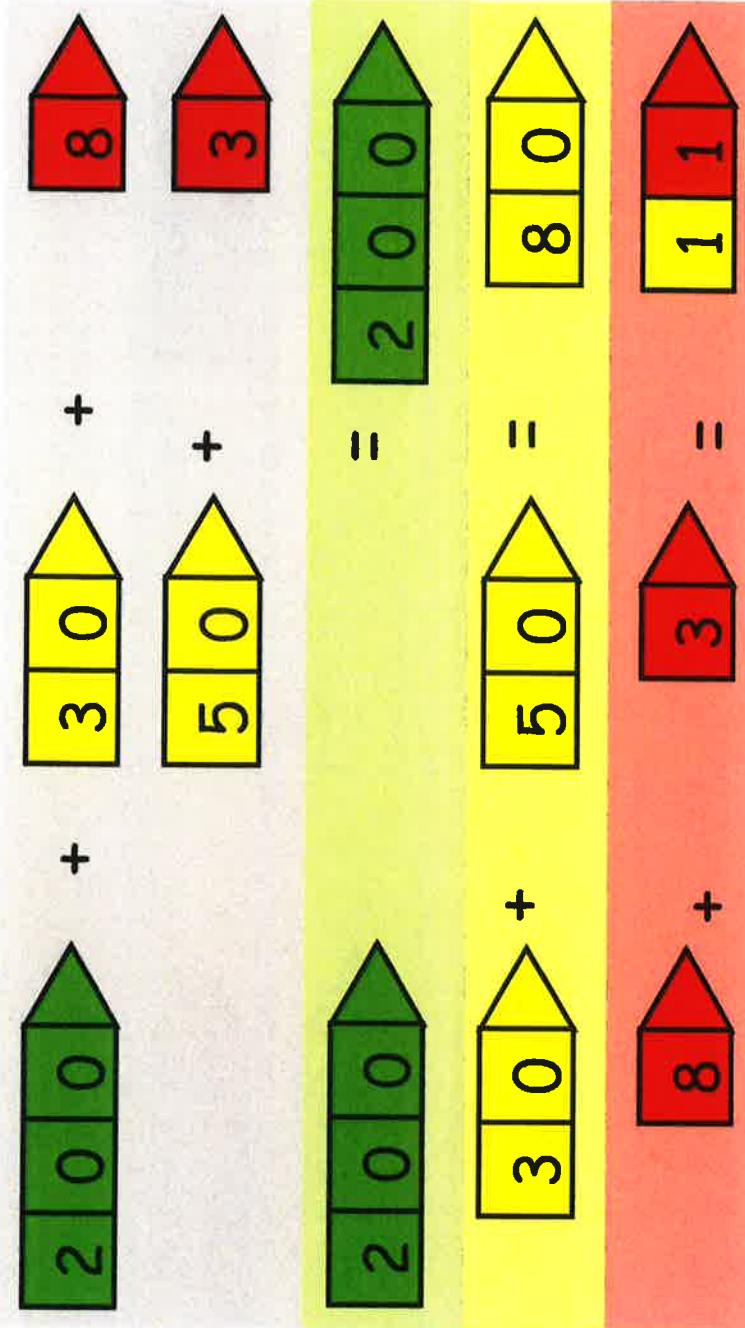
$$63 - 35 = 28$$

$$63 - 28 = 35$$

$$239 + 53$$

$$\begin{array}{r} 238 \\ 53 \\ \hline 200 \\ + \\ 80 \\ 11 \\ \hline 291 \end{array}$$

8a



$$\begin{array}{r} 239 + 53 = 291 \\ 291 - 238 = 53 \\ \hline \end{array}$$

$$239 + 53 = 291$$

$$291 - 53 = 238$$

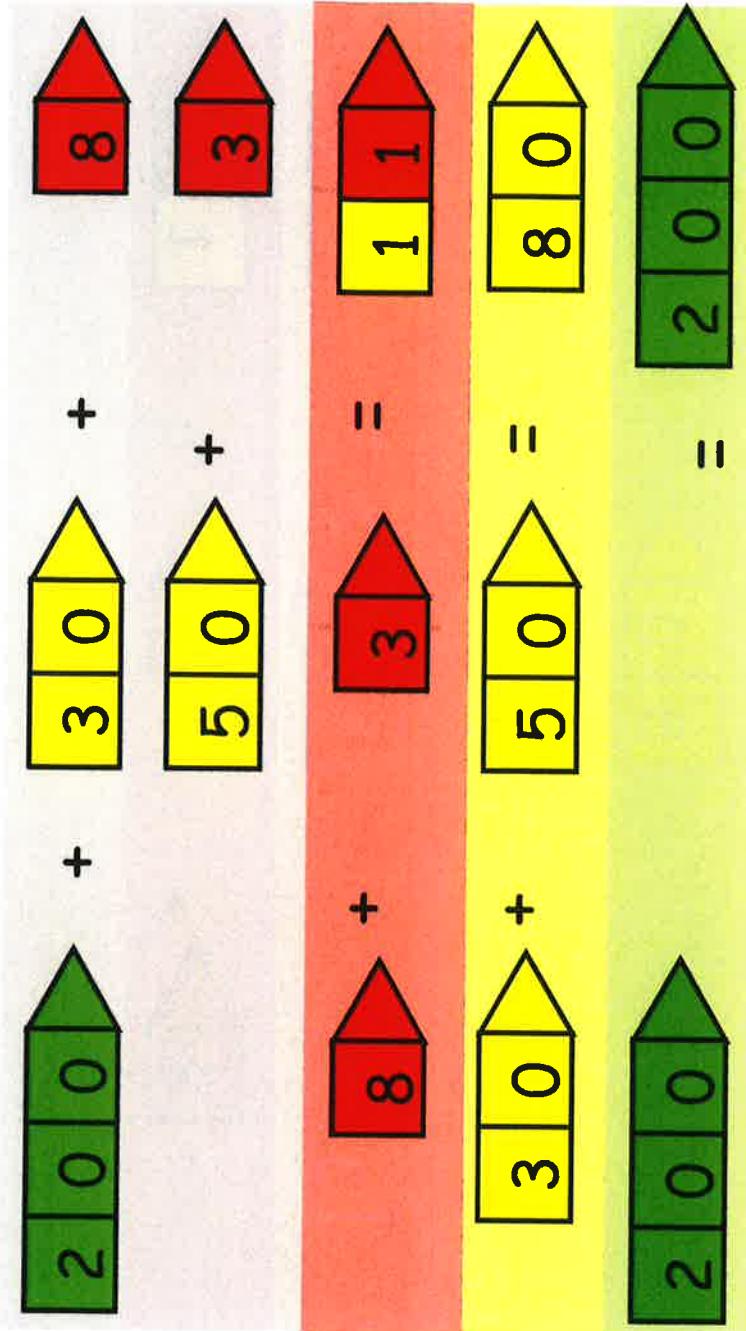
$$239 + 53 = 291$$

$$291 - 238 = 53$$

$$239 + 53$$

$$\begin{array}{r} 238 \\ + 53 \\ \hline \end{array}$$

8b



$$239 + 53 = 291$$

$$239 + 53 = 291$$

$$291 - 238 = 53$$

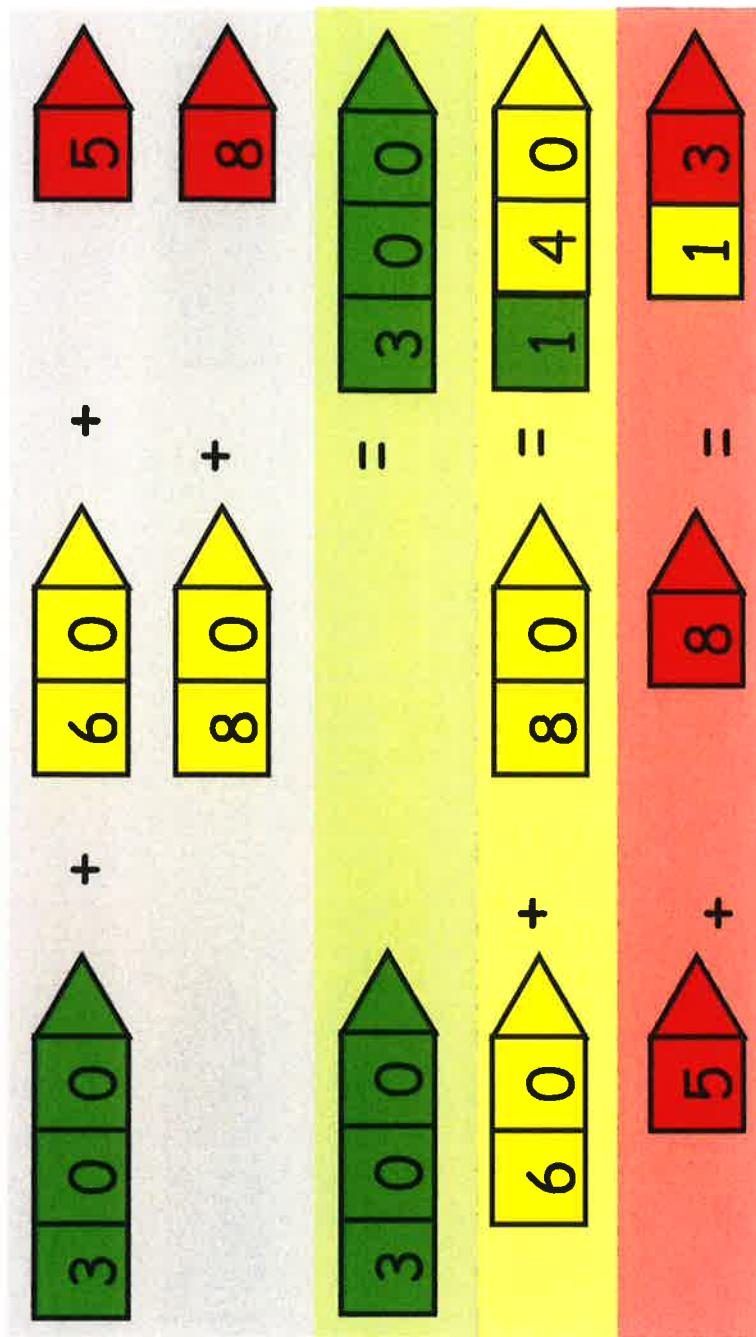
$$291 - 53 = 238$$

$$365 + 88$$

$$\begin{array}{r} 365 \\ + 88 \\ \hline \end{array}$$

$$\begin{array}{r} 300 \\ 140 \\ + 13 \\ \hline 453 \end{array}$$

8c



$$239 + 53 = 291$$

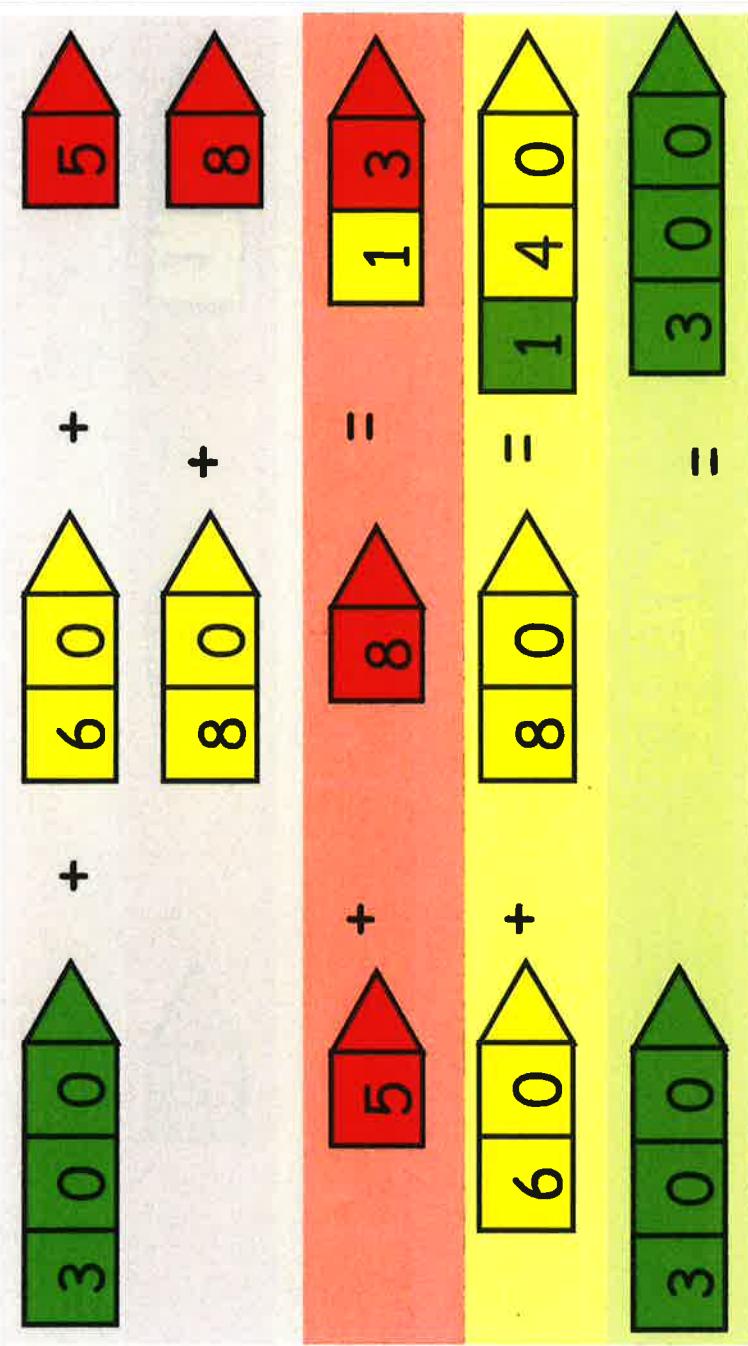
$$239 + 53 = 291$$

$$291 - 238 = 53$$

$$291 - 53 = 238$$

$$365 + 88$$

$$\begin{array}{r} 365 \\ + 88 \\ \hline \end{array}$$



$$365 + 88 = 453$$

$$453 - 365 = 88$$

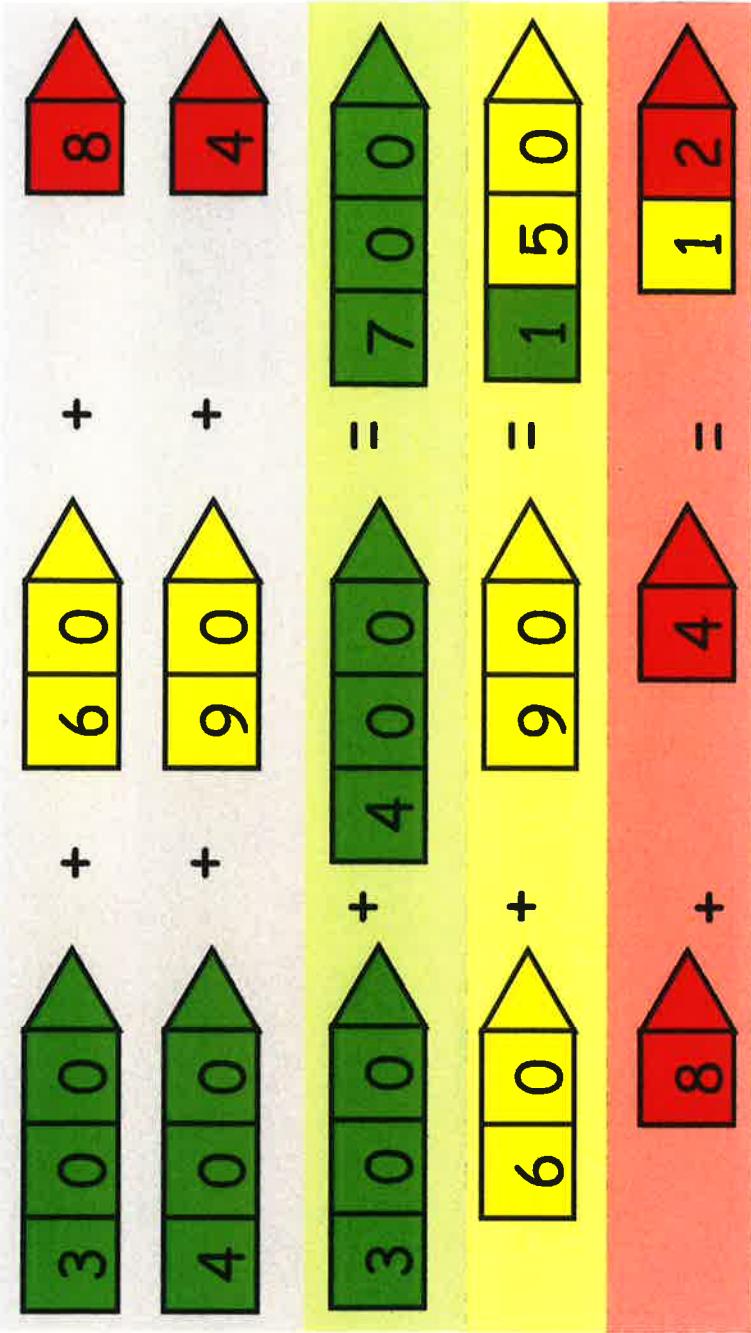
$$88 + 365 = 453$$

$$453 - 88 = 365$$

$$368 + 494$$

$$\begin{array}{r}
 368 \\
 + 494 \\
 \hline
 700
 \end{array}
 \quad
 \begin{array}{r}
 150 \\
 + 12 \\
 \hline
 862
 \end{array}$$

9



$$368 + 494 = 862$$

$$862 - 494 = 368$$

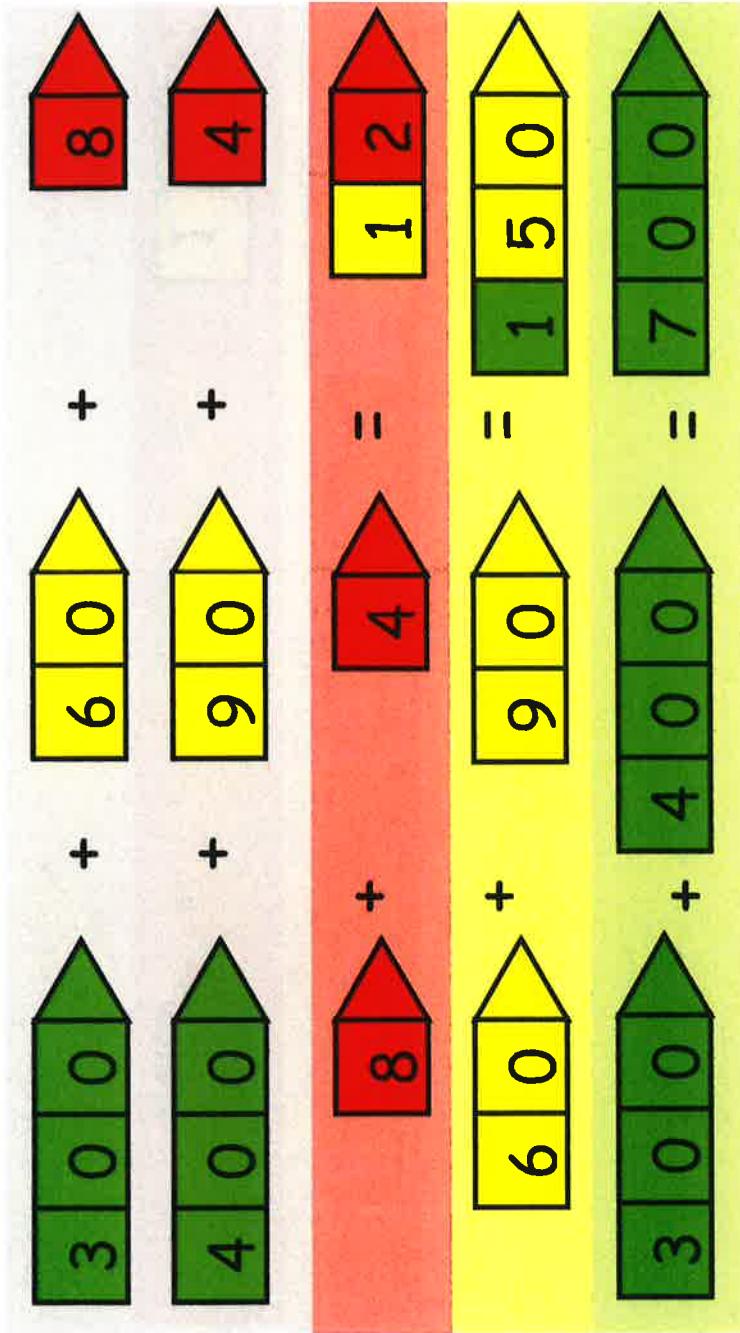
$$494 + 368 = 862$$

$$862 - 368 = 494$$

$$368 + 494$$

$$\begin{array}{r} 368 \\ + 494 \\ \hline 862 \end{array}$$

10



$$368 + 494 = 862$$

$$494 + 368 = 862$$

$$862 - 494 = 368$$

$$862 - 368 = 494$$

$$368 + 494$$

3a

60 adio 90 yw 150.
150 adio'r 10 wedi
ei 'gario' yw 160

11

8 adio 4 yw 12
(10 + 2)

1

$$\begin{array}{r} 3 \ 6 \ 8 \\ + 4 \ 9 \ 4 \\ \hline 8 \ 6 \ 2 \\ 1 \ 1 \end{array}$$

300 adio 400 yw 700
700 adio'r 100 wedi
ei 'gario' yw 800

4

100 wedi ei
'gario' o'r 160

3b

2a

2 o'r 12

2b

10 wedi ei
'gario' o'r 12

$$368 + 494 = 862$$

$$494 + 368 = 862$$

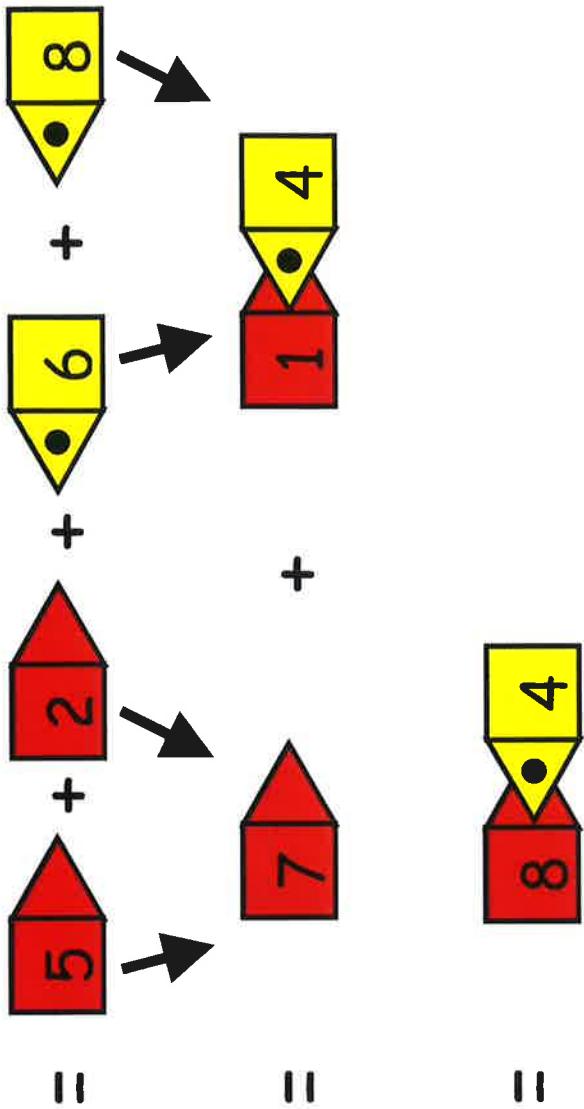
$$862 - 494 = 368$$

$$862 - 368 = 494$$

12

$$5.6 + 2.8 = \begin{array}{l} 5 \\ + 2 \\ \hline 7 \end{array}$$

$$= \begin{array}{l} 5 \\ + 2 \\ \hline 7 \end{array}$$



$$5.6 + 2.8 = 8.4$$

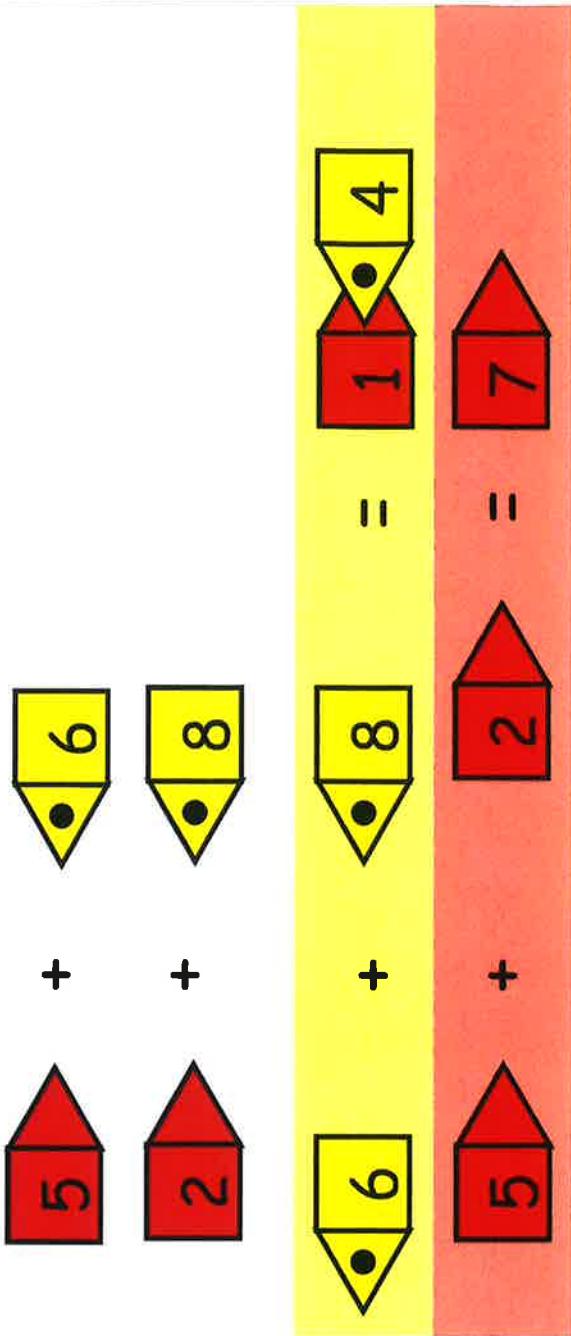
$$8.4 - 2.8 = 5.6$$

$$2.8 + 5.6 = 8.4$$

$$8.4 - 5.6 = 2.8$$

$$5.6 + 2.8$$

$$\begin{array}{r}
 & 6 & \\
 & . & \\
 5 & & 8 \\
 + & 2 & . \\
 & \hline
 & 1 & . & 4 \\
 & & \hline
 & 7 & . & 0 \\
 & & \hline
 & 8 & . & 4 \\
 & & \hline
 \end{array}$$



13

$5.6 + 2.8 = 8.4$	$2.8 + 5.6 = 8.4$
$8.4 - 2.8 = 5.6$	$8.4 - 5.6 = 2.8$

$$5.6 + 2.8$$

14

5 audio 2 yw 7.
7 audio'r 1 wedi ei
'gario' yw 8

3

1 0.6 audio 0.8
yw 1.4

1

2a

0.4 o'r 1.4

$$\begin{array}{r} 5 \cdot 6 \\ + 2 \cdot 8 \\ \hline 8 \cdot 4 \\ 1 \end{array}$$

2b

1 wedi ei
'gario' o'r 1.4

$$5.6 + 2.8 = 8.4$$

$$2.8 + 5.6 = 8.4$$

$$8.4 - 2.8 = 5.6$$

$$8.4 - 5.6 = 2.8$$

$$2.89 + 6.45 =$$

$$= 2 \begin{array}{l} \\ \end{array} 8 \begin{array}{l} \\ \end{array} 9$$

15

$$\begin{array}{r} 6.45 \\ + 2.89 \\ \hline 9.34 \end{array}$$

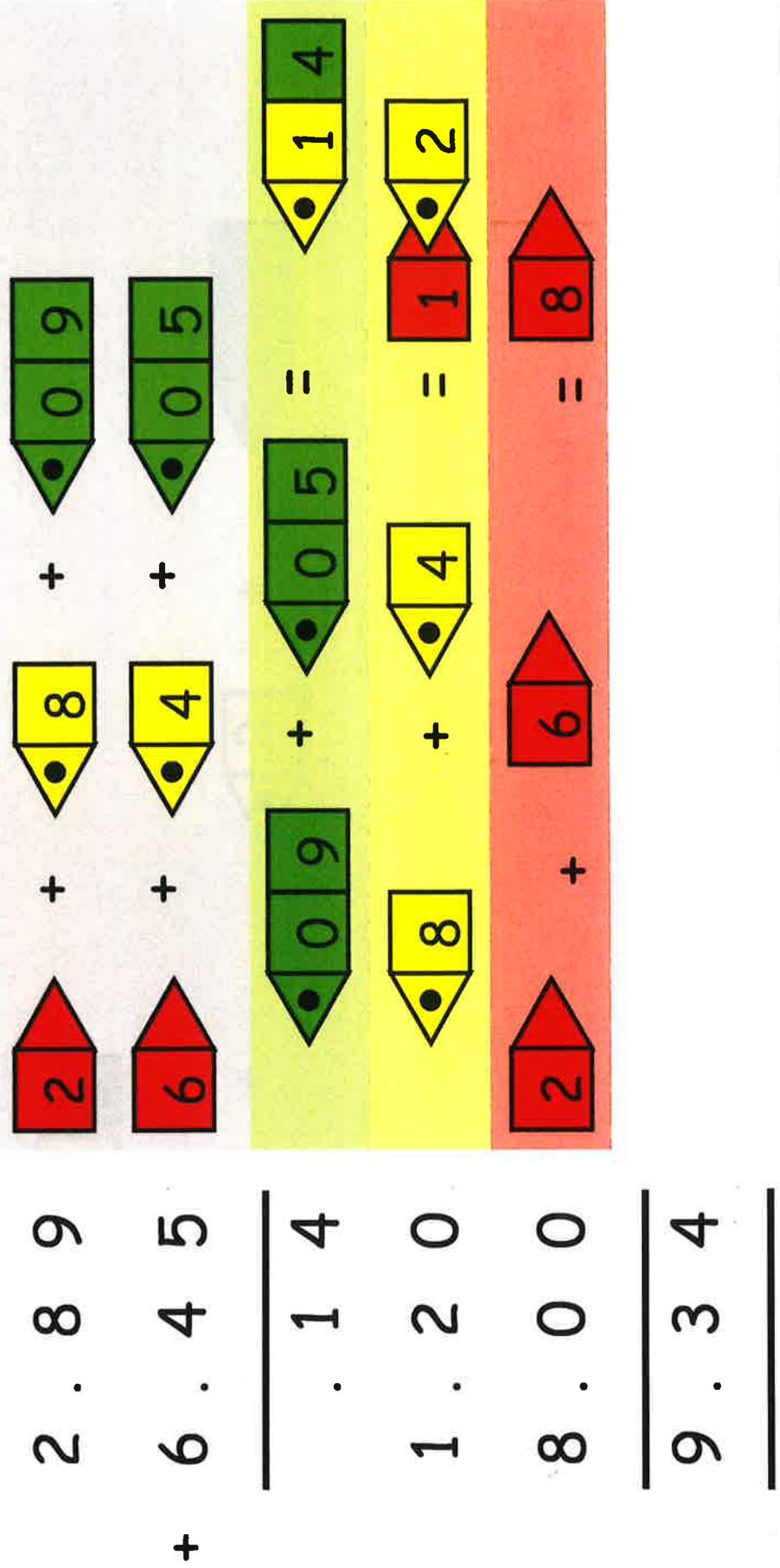
$$2.89 + 6.45 = 9.34$$

$$6.45 + 2.89 = 9.34$$

$$9.34 - 6.45 = 2.89$$

$$9.34 - 2.89 = 6.45$$

$$2.89 + 6.45$$



2.89 + 6.45 = 9.34	6.45 + 2.89 = 9.34
9.34 - 6.45 = 2.89	9.34 - 2.89 = 6.45

$$2.89 + 6.45$$

17

3a
0.8 adio 0.4 yw 1.2.
1.2 adio'r 0.1 wedi
ei 'gario' yw 1.3

2 adio 6 yw 8.
8 adio'r 1 wedi ei
'gario' yw 9

4

3b
1 wedi ei
'gario' o'r 1.3

$$\begin{array}{r} & 8 & 9 \\ & \cdot & \\ 2 & 6 & 5 \\ + & \cdot & \\ & 9 & 4 \\ \hline & 1 & \\ & 1 & \end{array}$$

1
0.09 adio 0.05
yw 0.14

2a
0.04 o'r 0.14

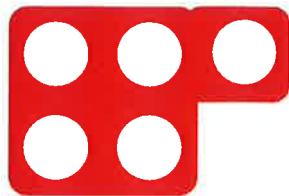
2b
0.1 wedi ei
'gario' o'r 0.14

$$\begin{array}{rcl} 2.89 + 6.45 & = & 9.34 \\ 9.34 - 6.45 & = & 2.89 \\ 6.45 + 2.89 & = & 9.34 \\ 9.34 - 2.89 & = & 6.45 \end{array}$$



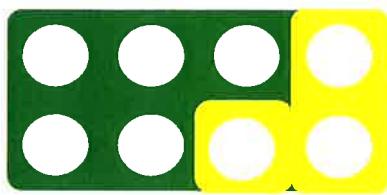
tynnu

1



=

5



$(8 - 3) =$

=

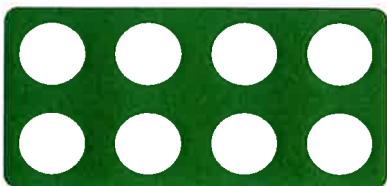
=



3

- -

$$8 - 3 =$$



8

$$8 - 3 = 5$$

$$5 + 3 = 8$$

$$8 - 5 = 3$$

$$3 + 5 = 8$$

$$72 - 48 =$$

2

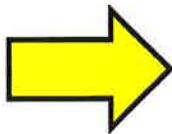
-1

+1

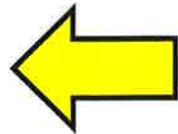
↑ C O I O f n ↓

-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8
-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2
-1	0	1	2	3	4	5	6	7	8	9	10	11	12
9	10	11	12	13	14	15	16	17	18	19	20	21	22
19	20	21	22	23	24	25	26	27	28	29	30	31	32
29	30	31	32	33	34	35	36	37	38	39	40	41	42
39	40	41	42	43	44	45	46	47	48	49	50	51	52
49	50	51	52	53	54	55	56	57	58	59	60	61	62
59	60	61	62	63	64	65	66	67	68	69	70	71	72
69	70	71	72	73	74	75	76	77	78	79	80	81	82
79	80	81	82	83	84	85	86	87	88	89	90	91	92
89	90	91	92	93	94	95	96	97	98	99	100	101	102
99	100	101	102	103	104	105	106	107	108	109	110	111	112
109	110	111	112	113	114	115	116	117	118	119	120	121	122

+ 10



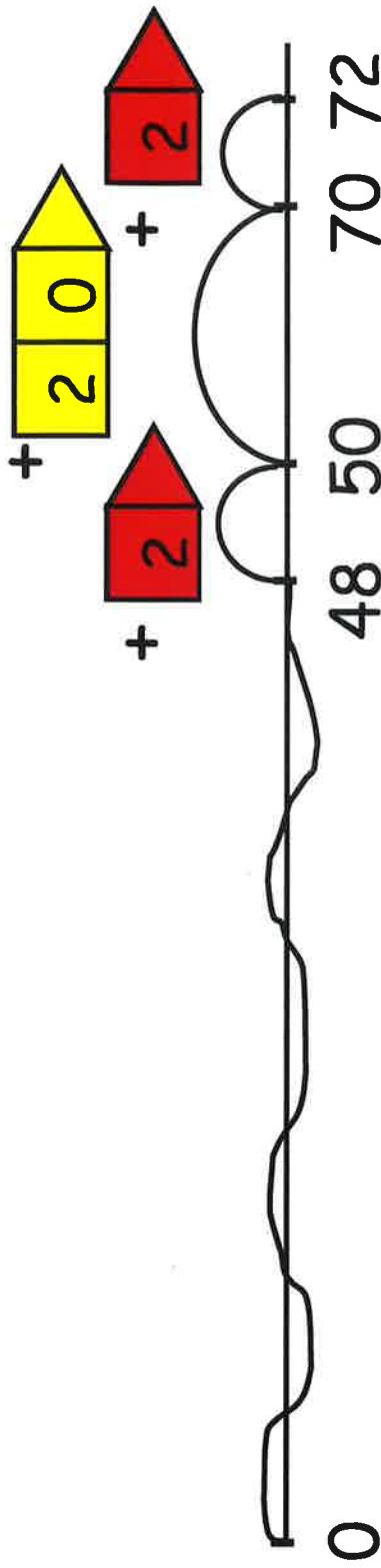
- 10



r h e s →

3

$$\begin{array}{r} 72 \\ - 48 \\ \hline \end{array}$$



$$+ 2$$

$$+ 2$$

$$= 20$$

=

$$+ 2$$

=

$$24$$

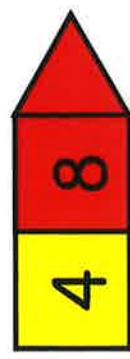
$$72 - 48 = 24$$

$$72 - 24 = 48$$

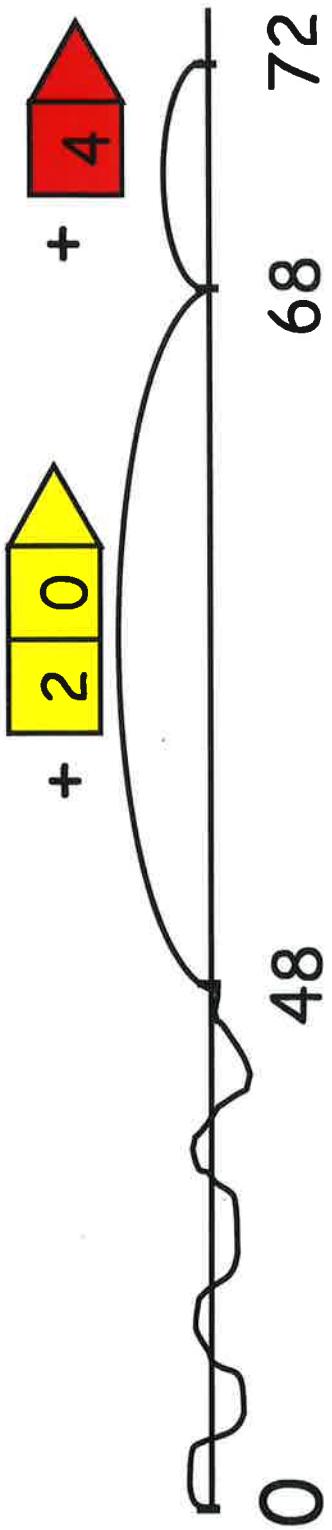
$$24 + 48 = 72$$

$$48 + 24 = 72$$

4



$$72 - 48 =$$



=



=

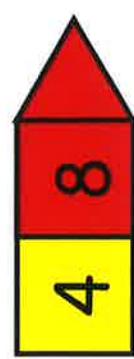
$$72 - 48 = 24$$

$$72 - 24 = 48$$

$$24 + 48 = 72$$

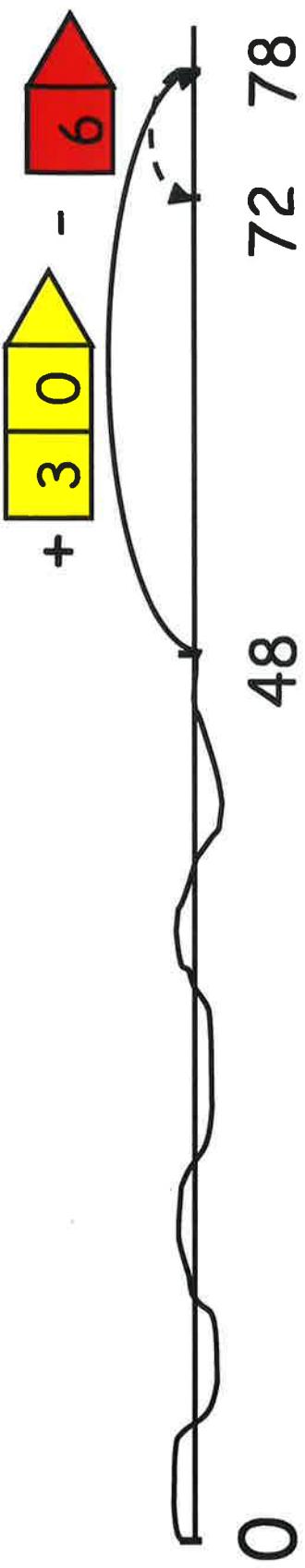
$$48 + 24 = 72$$

5



$$72 - 48 = 24$$

$$48 + 30 - 6$$



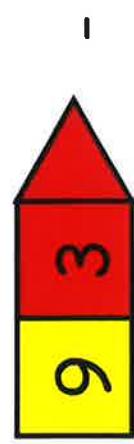
$$72 - 48 = 24$$

$$72 - 24 = 48$$

$$24 + 48 = 72$$

$$48 + 24 = 72$$

6

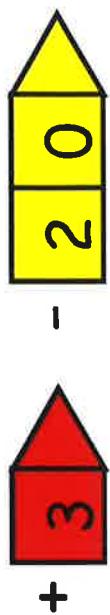


$$93 - 17 =$$

-

$$93 - 20 + 3$$

-



$$73 \quad 76$$

93



$$93 - 17 = 76$$

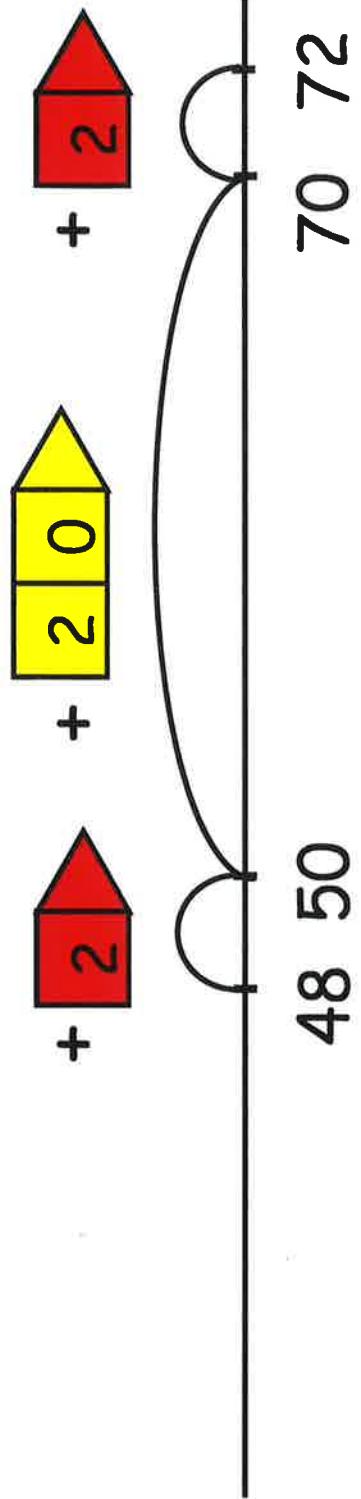
$$93 - 76 = 17$$

$$76 + 17 = 93$$

$$17 + 76 = 93$$

7

$$72 - 48$$



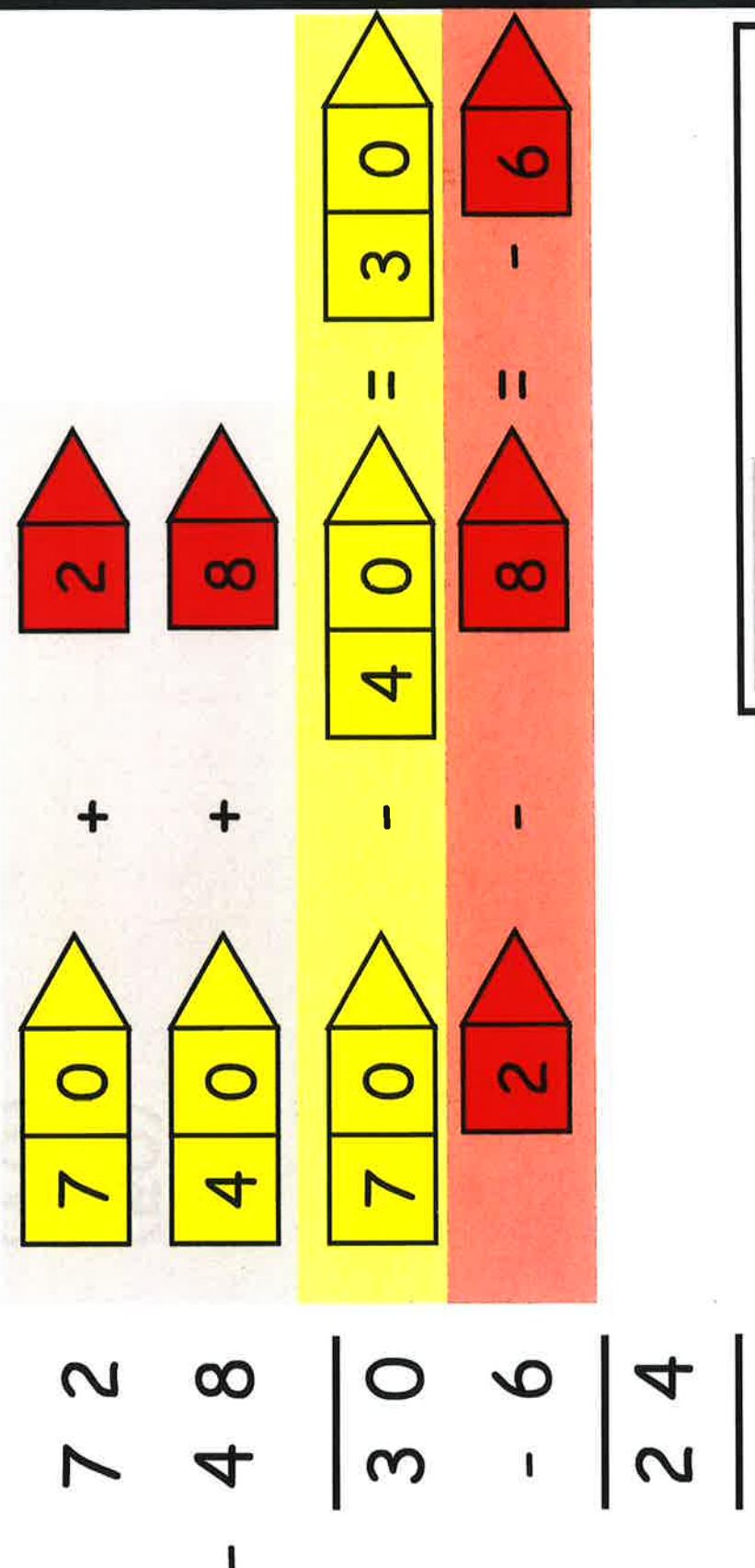
$$\begin{array}{r}
 72 \\
 - 48 \\
 \hline
 24
 \end{array}$$

(50)
(70)
(72)

$72 - 48 = 24$	$72 - 24 = 48$
$24 + 48 = 72$	$48 + 24 = 72$

8

$$72 - 48$$



$$72 - 48 = 24$$

$$72 - 24 = 48$$

$$24 + 48 = 72$$

$$48 + 24 = 72$$

$$72 - 48$$

$$\begin{array}{r} 72 \\ - 48 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + \\ 8 \\ \hline \\ 70 \\ + \\ 40 \\ \hline \end{array}$$

$$\begin{array}{r} 6712 \\ - 48 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 12 \\ + \\ 8 \\ \hline \\ 60 \\ - \\ 70 \\ \hline 40 \\ + \\ 0 \\ \hline \end{array}$$

$$72 - 48$$

1 2 tynnu 8

1

Newid 70 i
60 + 10

2a

$$\begin{array}{r} 71 \\ - 48 \\ \hline 24 \end{array}$$

12 tynnu 8
yw 4

2b

60 tynnu
40 yw 20

3

9

$$72 - 48 = 24$$

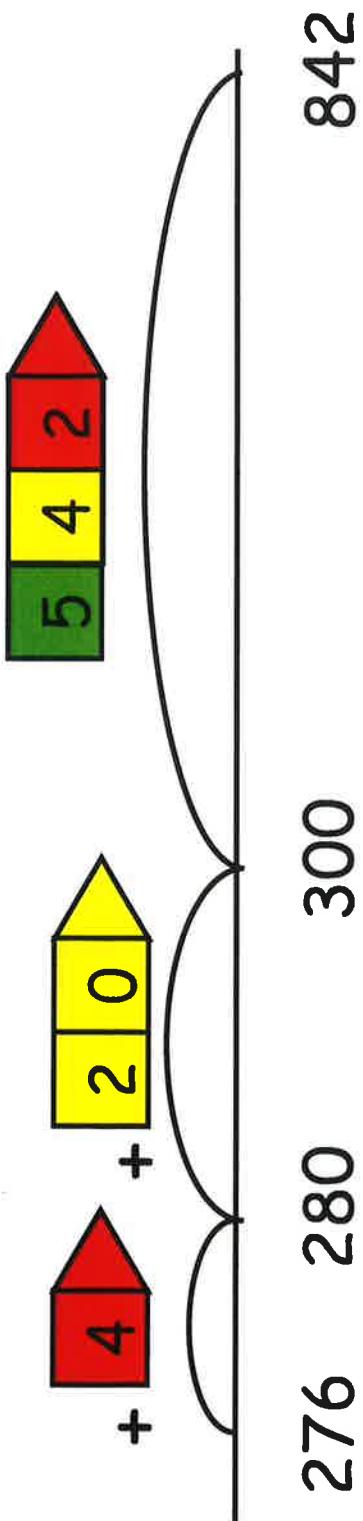
$$72 - 24 = 48$$

$$24 + 48 = 72$$

$$48 + 24 = 72$$

10

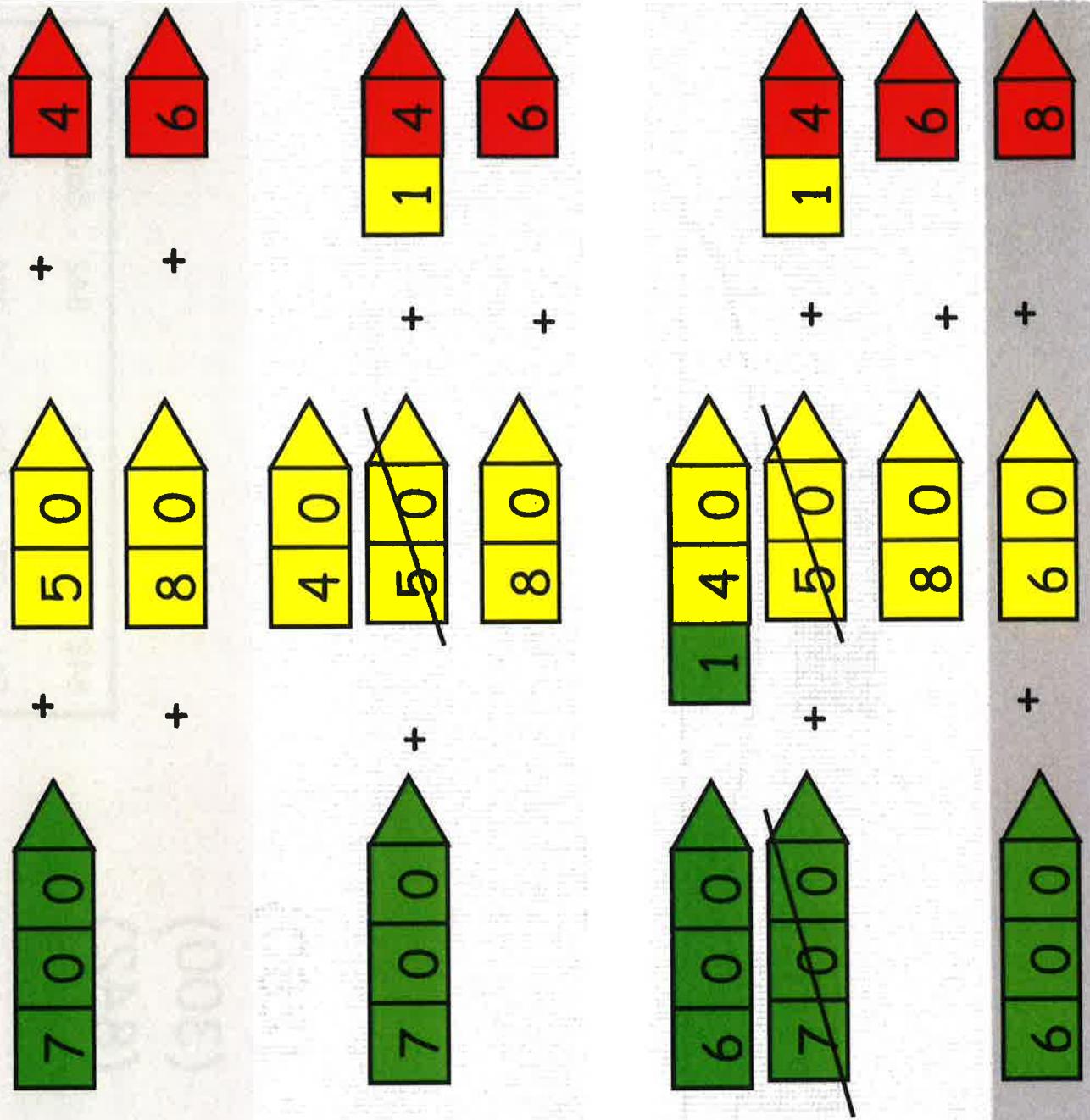
$$842 - 276$$


$$\begin{array}{r} 842 \\ - 276 \\ \hline 566 \end{array}$$

$$\begin{array}{r} 842 \\ - 276 \\ \hline 566 \end{array}$$

(280)
(300)
(842)

$842 - 276 = 566$	$842 - 566 = 276$
$566 + 276 = 842$	$276 + 566 = 842$



$$\begin{array}{r}
 754 \\
 - 86 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 74514 \\
 - 86 \\
 \hline
 \end{array}
 \quad
 \begin{array}{r}
 6714514 \\
 - 86 \\
 \hline
 668
 \end{array}$$

11

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline 0 \\ 0 \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline 0 \\ 0 \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline 3 \\ 0 \end{array}$$

$$\begin{array}{r} 8 \\ 4 \\ 2 \\ - 2 \\ \hline 7 \\ 6 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \\ 4 \\ 1 \\ 2 \\ - 2 \\ \hline 7 \\ 6 \end{array}$$

$$\begin{array}{r} 7 \\ 8 \\ 1 \\ 3 \\ 4 \\ 1 \\ 2 \\ - 2 \\ \hline 6 \\ 6 \end{array}$$

$$842 - 276$$

12

130 tynnu 70 yw 60

4b

30 tynnu 70

3

Newid 40 i
30 + 10

2 tynnu 6

1

Newid 800 i
700 + 100

4a

700 tynnu 200
yw 500

5

$$\begin{array}{r} & 2 \\ & 6 \\ & 6 \\ \hline 8 & 4 & 2 \\ - & 2 & 7 \\ \hline 5 & 6 & 6 \end{array}$$

2a

2b

12 tynnu 6
yw 6

$$842 - 276 = 566$$

$$842 - 566 = 276$$

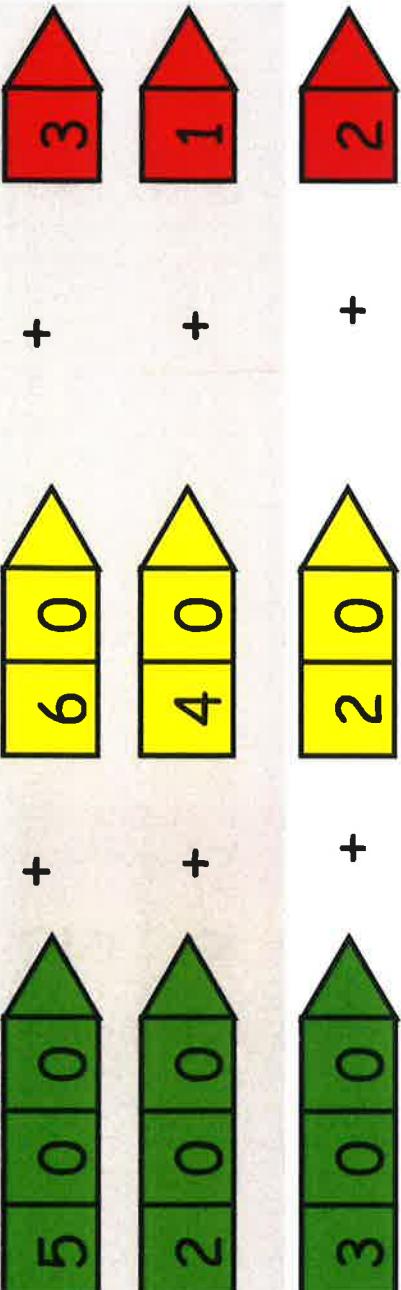
$$566 + 276 = 842$$

$$276 + 566 = 842$$

$$563 - 241$$

$$\begin{array}{r} 563 \\ - 241 \\ \hline 322 \end{array}$$

13



$$563 - 241 = 322$$

$$563 - 322 = 241$$

$$322 + 241 = 563$$

$$241 + 322 = 563$$

14

$$563 - 241$$

60 tynnu 40
yw 20

2

500 tynnu 200
yw 300

3

$$\begin{array}{r} 5 & 6 & 3 \\ - & 2 & 4 & 1 \\ \hline 3 & 2 & 2 \end{array}$$

3 tynnu 1
yw 2

1

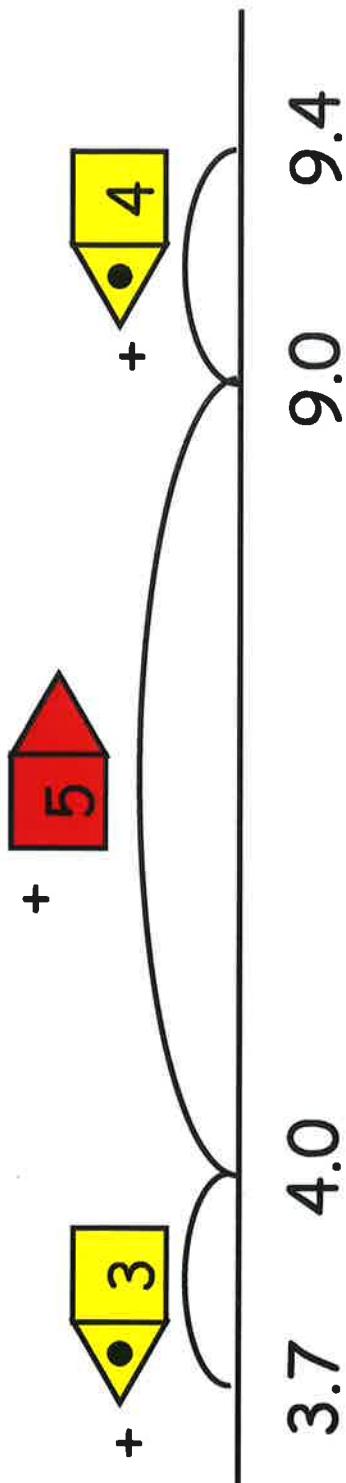
$$563 - 241 = 322$$

$$563 - 322 = 241$$

$$322 + 241 = 563$$

$$241 + 322 = 563$$

$$9.4 - 3.7$$



$$\begin{array}{r} 9.4 \\ - 3.7 \\ \hline 5.7 \end{array}$$

15

$9.4 - 3.7 = 5.7$	$9.4 - 5.7 = 3.7$
$5.7 + 3.7 = 9.4$	$3.7 + 5.7 = 9.4$

$$9.4 - 3.7$$

16

1 0.4 tynnu 0.7

2a Newid 9 i
8 + 1

3 8 tynnu 3
yw 5

$$\begin{array}{r} & 1 \\ & 4 \\ - & 3 \\ \hline & 1 \end{array}$$

2b

1.4 tynnu 0.7
yw 0.7

$$9.4 - 3.7 = 5.7$$

$$9.4 - 5.7 = 3.7$$

$$5.7 + 3.7 = 9.4$$

$$3.7 + 5.7 = 9.4$$

17

$$6.43 - 2.61$$

$$\begin{array}{r}
 6.43 \\
 - 2.61 \\
 \hline
 3.82
 \end{array}$$

Diagram illustrating the subtraction:

- Minuend:** A green trapezoid pointing right with the number 6.43.
- Subtrahend:** A green trapezoid pointing right with the number 2.61.
- Difference:** A green trapezoid pointing right with the number 3.82.
- Operations:** Three red arrows point to the subtraction symbol (-) from the left, and three yellow arrows point to the subtraction symbol (-) from the right.

$$\begin{array}{r}
 6.43 \\
 - 2.61 \\
 \hline
 3.82
 \end{array}$$

Diagram illustrating the subtraction:

- Minuend:** A green trapezoid pointing right with the number 6.43.
- Subtrahend:** A green trapezoid pointing right with the number 2.61.
- Difference:** A green trapezoid pointing right with the number 3.82.
- Operations:** Three red arrows point to the subtraction symbol (-) from the left, and three yellow arrows point to the subtraction symbol (-) from the right.

$6.43 - 2.61 = 3.82$	$6.43 - 3.82 = 2.61$
$3.82 + 2.61 = 6.43$	$2.61 + 3.82 = 6.43$

$$6.43 - 2.61$$

18

1.4 tynnu 0.6
yw 0.8

3b

0.4 tynnu 0.6

2

Newid 6 i
 $5 + 1$

3a

5 tynnu 2
yw 3

4

0.03 tynnu 0.01
yw 0.02

1

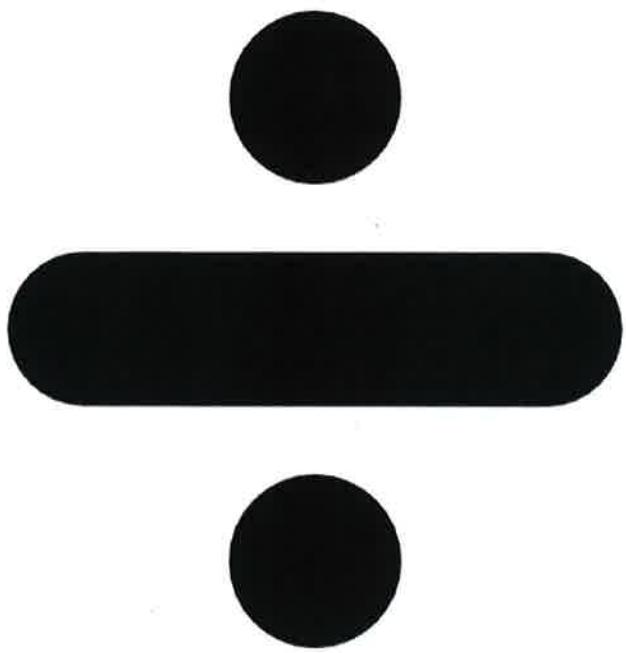
$$\begin{array}{r} & 1 \\ & 4 \\ & 3 \\ \underline{-} & 6 \\ 2 & . \\ & 6 \\ & 1 \\ \hline & 3 \\ & 8 \\ & 2 \end{array}$$

$$6.43 - 2.61 = 3.82$$

$$6.43 - 3.82 = 2.61$$

$$3.82 + 2.61 = 6.43$$

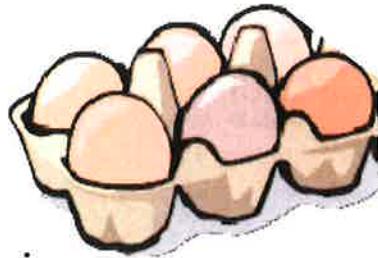
$$2.61 + 3.82 = 6.43$$



rhannu

Grwpio

1



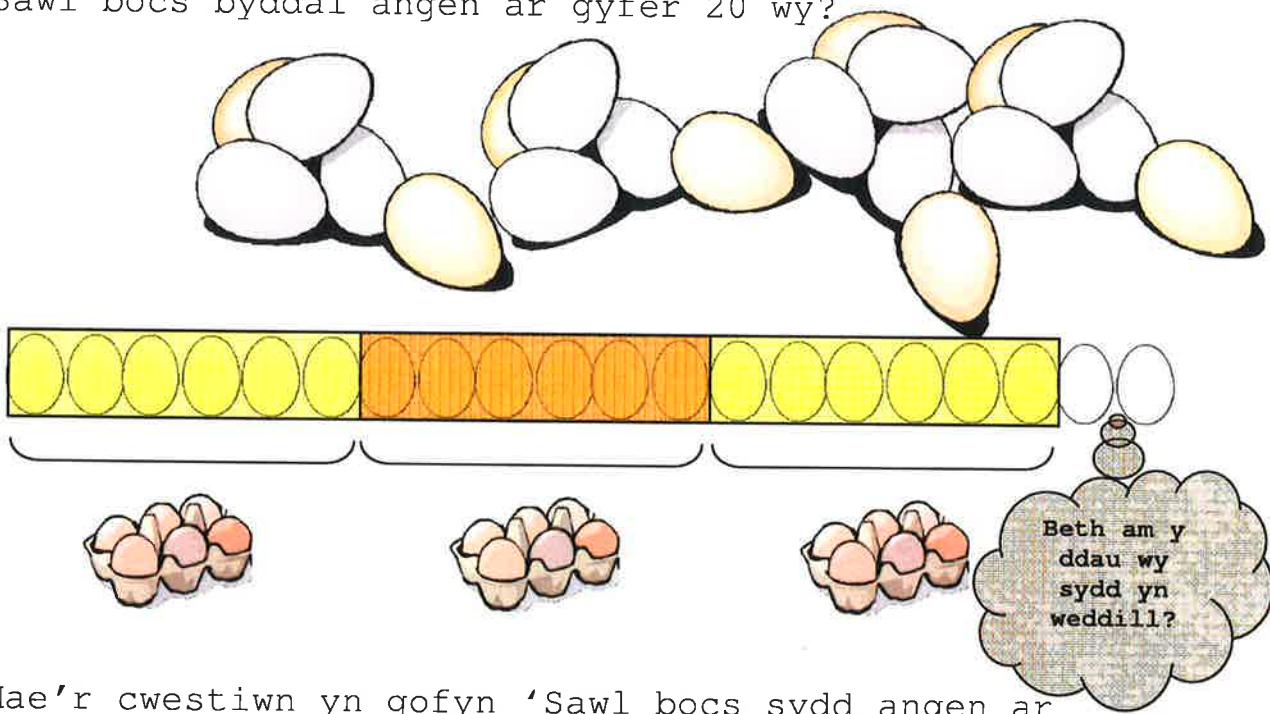
Gellir rhannu mewn dwy ffordd :

'grwpio' a 'chyd-rannu'

Pan fyddwn yn grwpio, byddwn yn ail-adrodd tynnu 'grwpiau' o'r un maint oddi wrth y cyfanswm, er mwyn darganfod cyfanswm nifer y 'grwpiau.'

Dyma esiampl:

Mae wyau yn cael eu gwerthu mewn bocsys o 6.
Sawl bocs byddai angen ar gyfer 20 wy?



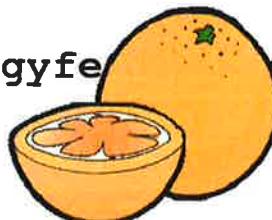
Mae'r cwestiwn yn gofyn 'Sawl bocs sydd angen ar gyfer 20 wy?'

O'r llun uchod, gwelwn fod gennym 3 llond bocs o wyau, ond mae angen un bocs ychwanegol arnom i osod y ddau wy sydd yn weddill.

$$20 \div 6 = 3 \text{ gweddillion } 2$$

Ateb : Mae angen 4 bocs ar gyfe.

2



Cyd-rannu

Gellir rhannu mewn dwy ffordd :

'grwpio' a 'chyd-rannu'

Pan fyddwn yn cyd-rannu, byddwn yn dosbarthu'r cyfanswm yn gyfartal rhwng nifer penodol.

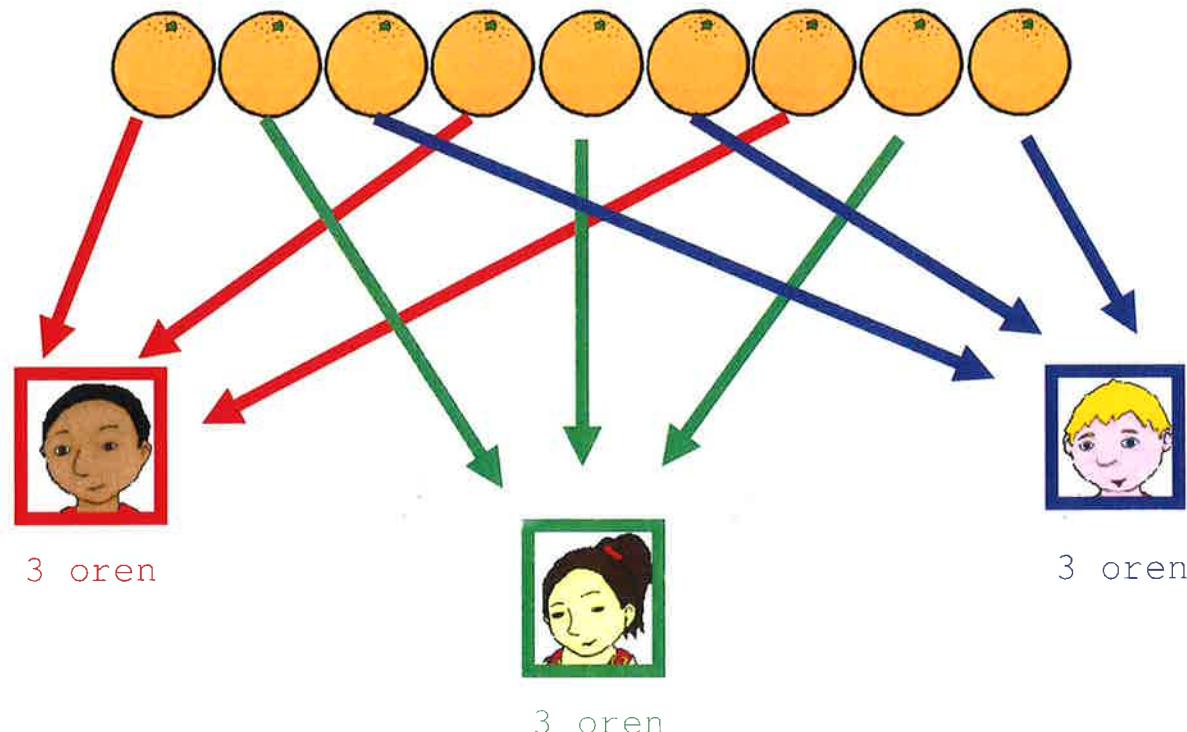
Dyma esiampl:

Mae bag yn cynnwys 9 oren.

Mae angen rhannu'r orennau yn gyfartal rhwng 3 o blant.

Sawl oren bydd pob plentyn yn ei gael?

un i ti..... un i tiun i ti



$$9 \div 3 = 3$$

Ateb : Mae pob plentyn yn cael 3 oren yr un

$$GL = GI \times G \quad GL = G \times GI$$

$$G = GI \div GL \quad GI = G \div GL$$

1	0	x	5	=	50
1	0	x	5	=	50
2	x	5	=	10	
2	x	5	=	10	
1	x	5	=	5	
1	x	5	=	5	
5	x	5	=	25	
5	x	5	=	25	
50	x	5	=	250	
500	x	5	=	2500	

$$G \times \overline{G}$$

$$G \times \overline{GI}$$

$$\begin{array}{r} & 5 \\ 5 & \overline{)75} \\ - & 5 \\ \hline & 25 \\ - & 25 \\ \hline & 0 \end{array}$$

$$75 \div 5$$

3

4

$$69 \div 4$$

$$\begin{array}{r} 1 \\ 4 \overline{)69} \\ -4 \\ \hline 29 \end{array}$$

$$\underline{10} \times 4$$

$$\underline{5} \times 4$$

$$\underline{2} \times 4$$

$$\begin{array}{r} 8 \\ - \\ \hline 1 \end{array}$$

1	x	4	=	4
2	x	4	=	8
5	x	4	=	20
1	0	x	4	= 40

$$69 \div 4 = 17 \text{ gw.1}$$

$$69 \div 17 = 4 \text{ gw.1}$$

$$17 \times 4 + 1 = 69$$

$$4 \times 17 + 1 = 69$$

5

$$854 \div 7$$

1	x	7	=	7
2	x	7	=	14
5	x	7	=	35
10	x	7	=	70

1	0	x	7	=	70
2	0	x	7	=	140
5	0	x	7	=	350
1	0	0	x	7	= 700

$$\begin{array}{r}
 & 1 & 2 & 2 \\
 7 & \overline{)8} & 5 & 4 \\
 - & 7 & 0 & 0 \\
 \hline
 & 100 & \times & 7 \\
 & 20 & \times & 7 \\
 - & 1 & 4 & 0 \\
 \hline
 & 1 & 4 & 0 \\
 - & 1 & 4 & 0 \\
 \hline
 & & & 0
 \end{array}$$

$$854 \div 7 = 122$$

$$854 \div 122 = 7$$

$$122 \times 7 = 854$$

$$7 \times 122 = 854$$

6

$$\begin{array}{r} 6 \\ \div \\ 755 \end{array}$$

1 2 5 9w.5

w.5
100 x 6

$$\begin{array}{r}
 & 5 & 5 \\
 & 5 & 5 \\
 - & 1 & 2 & 0 \\
 \hline
 & 3 & 5
 \end{array}$$

0 3 5

$$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$$

6	6	2	0
=	=	=	=
6	6	6	6
x	x	x	x
1	2	5	10

	0	0	0	0	0
6	2	0	0	0	0
	1	3	6		
=	=	=	=	=	
6	6	6	6	6	6
x	x	x	x	x	x
0	0	0	0	0	0
1	2	5	0	1	1

$$755 \div 6 = 125\text{g}w.5$$

$$125 \times 6 + 5 = 755$$

$$972 \div 36$$

$$\begin{array}{r}
 & 2 & 7 \\
 3 & 6 \overline{)9} & 7 & 2 \\
 & -7 & 2 & 0 \\
 & \hline
 & 2 & 5 & 2 \\
 & -1 & 8 & 0 \\
 & \hline
 & 7 & 2 & 2 \\
 & -7 & 2 & 0 \\
 & \hline
 & & & 0
 \end{array}
 \quad
 \begin{array}{r}
 20 \times 36 \\
 \hline
 5 \times 36 \\
 \hline
 2 \times 36
 \end{array}$$

1	x	3	6	=	3	6
2	x	3	6	=	7	2
5	x	3	6	=	1	8
1	0	x	3	6	=	3

1	0	x	3	6	=	3	6	0
2	0	x	3	6	=	7	2	0
5	0	x	3	6	=	1	8	0
1	0	0	x	3	6	=	3	6

$$972 \div 36 = 27$$

$$972 \div 27 = 36$$

$$27 \times 36 = 972$$

$$36 \times 27 = 972$$

$$561 \div 43$$

$$\begin{array}{r}
 & 1 & 3 & 9\text{w.}2 \\
 4 & 3 & \overline{)5 & 6 & 1} \\
 - & 4 & \overline{)3 & 0} & 10 \times 43 \\
 & 1 & 3 & 1 \\
 & - & 8 & 6 \\
 & & 4 & 5 \\
 & - & 4 & 3 \\
 & & 2 & \overline{)1 & 3} & 10 \times 43 \\
 & & - & 4 & 3 \\
 & & & 2 & \overline{)2} \\
 & & & - & 2 \\
 & & & & 0
 \end{array}$$

1	x	4	3	=	4	3
2	x	4	3	=	8	6
5	x	4	3	=	2	1
1	0	x	4	3	=	4

1	0	x	4	3	=	4	3	0
2	0	x	4	3	=	8	6	0
5	0	x	4	3	=	2	1	5
1	0	0	x	4	3	=	4	3

$561 \div 43 = 13\text{gw.}2$ $561 \div 13 = 43\text{gw.}2$

$13 \times 43 + 2 = 561$ $43 \times 13 + 2 = 561$

$$87.5 \div 7$$

$$\begin{array}{r}
 & 1 & 2 & . & 5 \\
 \hline
 7 & 8 & 7 & . & 5 \\
 - & 7 & 0 & . & 0 \\
 \hline
 & 1 & 7 & . & 5 \\
 & - & 1 & 4 & . & 0 \\
 \hline
 & & 3 & . & 5 \\
 & - & 3 & . & 5 \\
 \hline
 & & & & 0
 \end{array}$$

7	4	5	0
=	=	=	=
7	7	7	7
x	x	x	x
1	2	5	10

0	.	1	x	7	=	0	.	7
0	.	2	x	7	=	1	.	4
0	.	5	x	7	=	3	.	5
1	.	0	x	7	=	7	.	0

$$87.5 \div 7 = 12.5$$



Iluosi

1

$$38 \times 7 = (30 \times 7) + (8 \times 7)$$

$$10 \times 7 = 70$$

$$10 \times 7 = 70$$

$$10 \times 7 = 70$$

$$8 \times 7 = 56$$

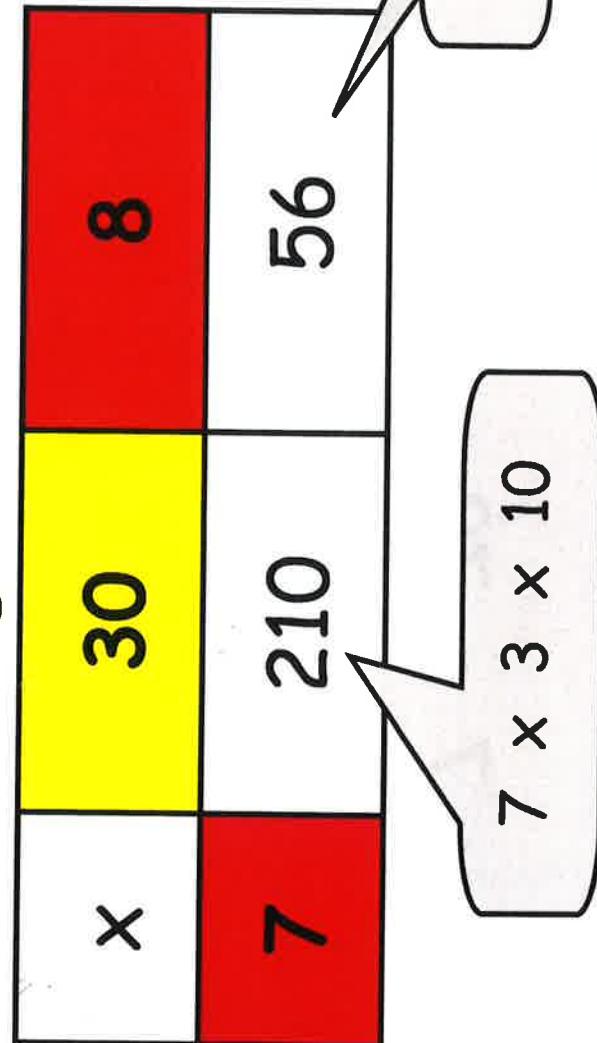
$$\begin{aligned}70 &+ 70 + 70 + 56 = 210 + 56 \\&= 266\end{aligned}$$

$$38 \times 7 = 266$$

$$266 \div 38 = 7$$

$$38 \times 7$$

3 × 10



2

$$\begin{array}{r} 210 \\ + 56 \\ \hline 266 \end{array}$$

$$7 \times 8$$

$$38 \times 7 = 266$$

$$7 \times 38 = 266$$

$$266 \div 38 = 7$$

$$266 \div 7 = 38$$

$$38 \times 7$$

3

3a

30 lluosi 7 yw 210,
adio'r 50 wedi ei
'gario' yw 260



1

8 lluosi 7 yw 56

3b

60 o'r 260

4

200 o'r 260

2a

6 o'r 56

2b

50 wedi ei
'gario' o'r 56

4

$$346 \times 9$$

3 × 100
neu
3 × 10 × 10

4 × 10
neu

$$\begin{array}{r}
 346 \\
 \times \quad 9 \\
 \hline
 2700 \quad 54
 \end{array}$$

\times	9	9 × 3 × 100 neu	9 × 4 × 10	9 × 6
300	2700	360	54	

$$346 \times 9 = 3114$$

$$9 \times 346 = 3114$$

$$3114 \div 346 = 9$$

$$3114 \div 9 = 346$$

346 × 9

3a

40 lluosi 9 yw 360,
adio'r 50 wedi ei
'gario' yw 410

1

5

6 lluosi 9 yw 54

4

300 lluosi 9 yw
2700, adio'r
400 wedi ei
'gario' yw 3100

2a

4 o'r 54

5

3000 o'r 3100

2b

50 wedi ei
'gario' o'r 54

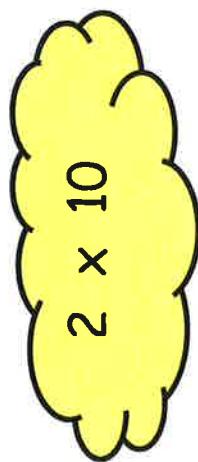
3b

400 wedi ei
'gario' o'r 410

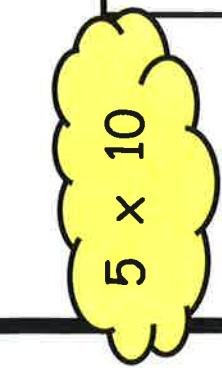
6

$$56 \times 27$$

2 × 10



5 × 10 × 10



		6
5	0	
1	0	0
1	2	0
3	5	0
4	2	
1	5	1
1	0	0
1	2	0
3	5	0
1	0	0
1	5	1
2	7	
5	6	

		42
3	5	0
1	2	0
1	0	0
3	5	0
4	2	
1	5	1
1	0	0
1	2	0
3	5	0
1	0	0
1	5	1
2	7	
5	6	

5 × 10 × 7

5 × 7 × 10
neu

6 × 7

6 × 2 × 10

5 × 2 × 10 × 2 × 10
neu

56 × 27 = 1512

1512 ÷ 56 = 27

1512 ÷ 27 = 56

27 × 56 = 1512

7

B

A

$$56 \times 27 = \boxed{56 \times 20} + \boxed{56 \times 7}$$

$$\begin{aligned} \boxed{A} \quad 56 \times 20 &= (56 \times 10) + (56 \times 10) \\ &= 560 + 560 = \boxed{1120} \end{aligned}$$

$$\begin{aligned} \boxed{B} \quad 56 \times 7 &= (50 \times 7) = (6 \times 7) \\ &= (5 \times 10 \times 7) + (6 \times 7) \\ &= (5 \times 7 \times 10) + (6 \times 7) \\ &= 350 + 42 = \boxed{392} \end{aligned}$$

$$\rightarrow 56 \times 27 = \boxed{1120} + \boxed{392} = 1512$$

56 x 27

50 lluosi 7 yw 350,
 adio'r 40 wedi ei
 'gario' yw 390

3a

6 lluosi 20
 yw 120

4a

50 lluosi 20 yw
 1000, adio'r
 100 wedi ei
 'gario' yw 1100

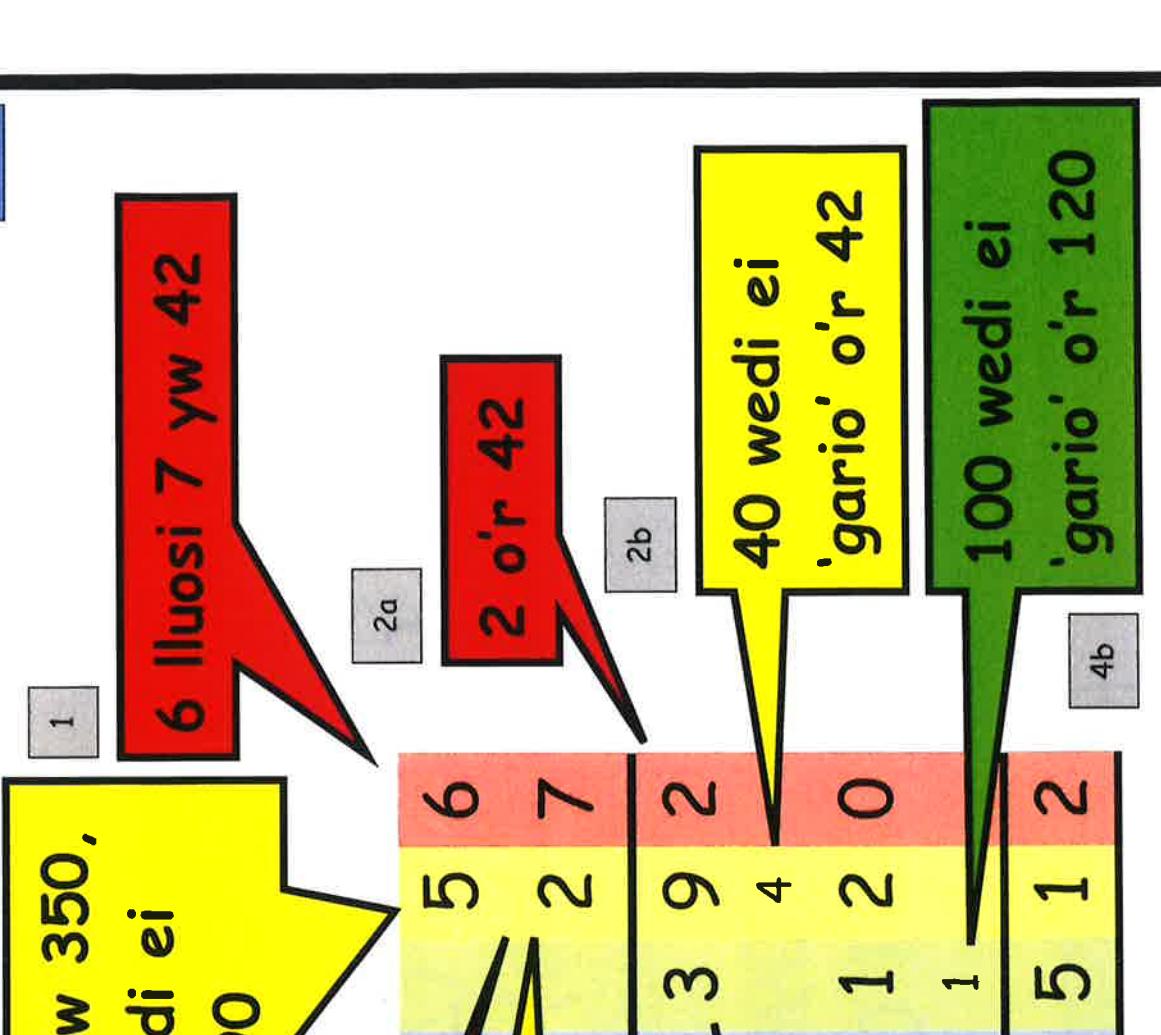
5a

300 o'r 390

3b

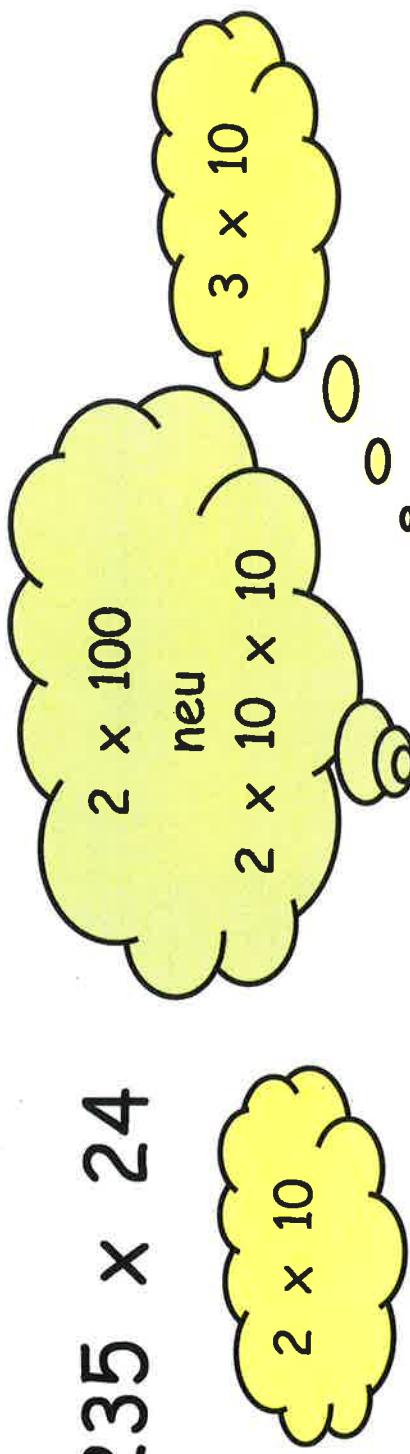
1000 o'r 1100

5b



9

$$235 \times 24$$



\times	200	30	5	235
20	4000	600	100	\times 24
4	800	120	20	20
				120

Annotations pointing to specific cells:

- Top row: 2×100 (green), $2 \times 10 \times 10$ (yellow), 3×10 (red)
- Second row: $2 \times 10 \times 2 \times 10 \times 10$ (grey), $2 \times 2 \times 10 \times 10 \times 10$ (grey), $4 \times 2 \times 100$ (grey), $4 \times 2 \times 10 \times 10$ (grey)
- Third row: $2 \times 10 \times 3 \times 10$ (grey), $2 \times 3 \times 10 \times 10$ (grey), $4 \times 3 \times 10$ (grey), 4×5 (yellow)
- Fourth row: $2 \times 10 \times 5$ (grey), $2 \times 5 \times 10$ (grey), 120 (grey), 100 (grey)

$$24 \times 235 = 5640$$

$$235 \times 24 = 5640$$

$$5640 \div 24 = 235$$

$$5640 \div 235 = 24$$

$$\begin{array}{r} 4000 \\ 5640 \\ \hline \end{array}$$

$$235 \times 24$$

10

30 lluosi 4 yw 120,
adio'r 20 wedi ei
'gario' yw 140

4 200 lluosi 4 yw 800,
adio'r 100 wedi ei
'gario' yw 900

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

6 30 lluosi 20 yw 600,
adio'r 100 wedi ei
'gario' yw 700

7 200 lluosi 20
yw 4000

3a

1

5 lluosi 4 yw 20

2a

0 o'r 20

2b

20 wedi ei
'gario' o'r 20

3b

100 wedi ei
'gario' o'r 140

5b

100 wedi ei
'gario' o'r 100

x

$$4.9 \times 3$$

9 ÷ 10

x	4	0.9
3	12	2.7

$$3 \times 4$$

$$(3 \times 9) \div 10$$

$$\begin{array}{r} 4.9 \\ \times 3 \\ \hline 14.7 \end{array}$$

$$4.9 \times 3 = 14.7$$

$$3 \times 4.9 = 14.7$$

$$14.7 \div 4.9 = 3$$

$$14.7 \div 3 = 4.9$$

4.9 × 3

12

3a

**4 lluosi 3 yw 12,
adio'r 2 wedi ei
'gario' yw 14**

1

**0.9 lluosi 3
yw 2.7**

3b

4 o'r 14

3

x

3c

10 o'r 14

2b

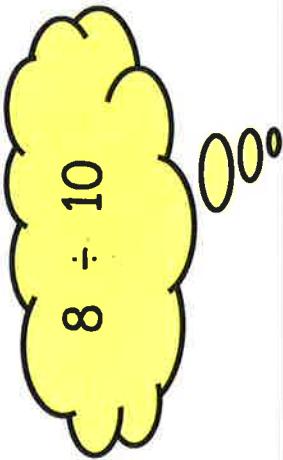
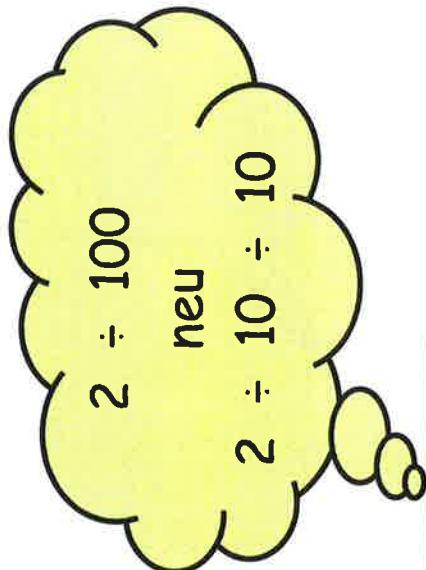
**2 wedi ei
'gario' o'r 2.7**

2a

0.7 o'r 2.7

13

$$5.82 \times 3$$



x	5	15	2.4	0.06	0.02
3	3	5	(3 × 8) ÷ 10	(3 × 2) ÷ 100	17.46

$$\begin{array}{r} 5.82 \\ \times 3 \\ \hline 17.46 \end{array}$$

$$5.82 \times 3 = 17.46$$

$$17.46 \div 5.82 = 3$$

$$17.46 \div 3 = 5.82$$

$$3 \times 5.82 = 17.46$$

$$3 \times 3 = 9$$

14

$$5.82 \times 3$$

0.8 lluosi 3 yw 2.4

5 lluosi 3 yw 15,
adio'r 2 wedi ei
'gario' yw 17

3

1a

0.02 lluosi 3
yw 0.06

1b

0.06 o'r
0.06

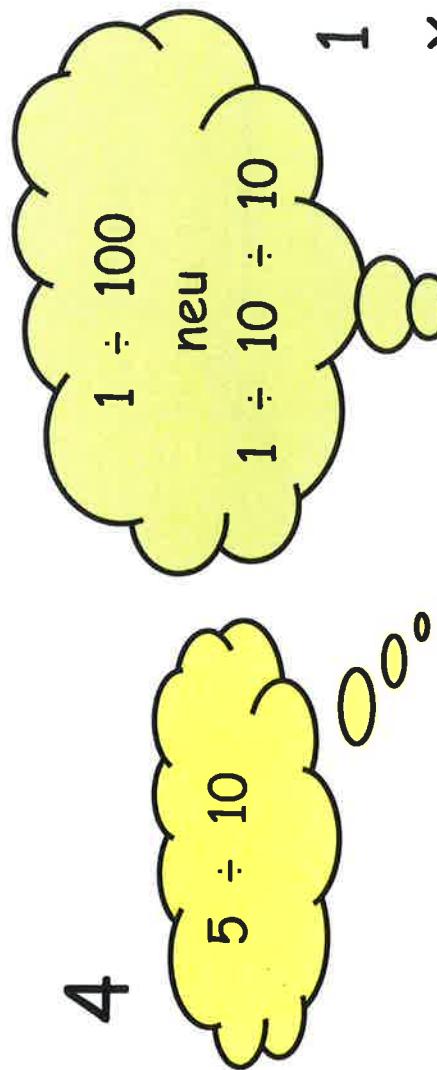
2b

2 wedi ei
'gario' o'r 2.4

$$\begin{array}{r} 3 \\ \times \end{array} \begin{array}{r} 1 & 7 & . & 4 & 6 \\ \hline & 2 \end{array}$$

15

$$12.51 \times 4$$



$$\begin{array}{r}
 & 1 & 2 & . & 5 & 1 \\
 \times & & & & & 4 \\
 \hline
 & 0 & . & 0 & 4
 \end{array}$$

x	10	2	0.5	0.01
4	40	8	2.0	0.04

$$\begin{array}{r}
 & 4 & 0 & . & 0 & 0 \\
 \times & & 5 & 0 & . & 0 & 4 \\
 \hline
 & 5 & 0 & . & 0 & 0
 \end{array}$$

$$\begin{array}{r}
 (4 \times 1) \div 100 \\
 (4 \times 1) \div 10 \div 10
 \end{array}$$

$$\begin{array}{r}
 4 \times 2 \\
 (4 \times 5) \div 10
 \end{array}$$

$$\begin{array}{r}
 4 \times 10 \\
 4 \times 100
 \end{array}$$

$$12.51 \times 4 = 50.04$$

$$4 \times 12.51 = 50.04$$

$$50.04 \div 12.51 = 4$$

$$50.04 \div 4 = 12.51$$

$$12.51 \times 4$$

16

4
10 lluosi 4 yw 40,
adior 10 wedi ei
'gario' yw 50

3a
2 lluosi 4 yw 8,
adior 2 wedi ei
'gario' yw 10

2a
0.5 lluosi 4 yw 2

1a
0.01 lluosi 4
yw 0.04

1b
0.04 o'r 0.04

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

3b
10 wedi ei
'gario' o'r 10

2b
2 wedi ei
'gario' o'r 2