

LO: I can use inverse operations to check answers to calculations.

PLL Practice how to work backwards using inverse with this game 'Think of a number'

<https://mathsframe.co.uk/en/resources/resource/262>

Scan the QR code.



Calculate the answers to the following calculations and check by using the inverse operation.

1. $\begin{array}{r} 126 \\ - 113 \\ \hline 013 \end{array}$	$\begin{array}{r} 113 \\ + 13 \\ \hline 126 \end{array}$	4 $\begin{array}{r} 358 \\ - 346 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$
2 $\begin{array}{r} 121 \\ + 124 \\ \hline \end{array}$	$\begin{array}{r} - \\ \hline \end{array}$	5 $\begin{array}{r} 334 \\ - 124 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$
3 $\begin{array}{r} 237 \\ - 124 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$	6 $\begin{array}{r} 511 \\ - 230 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$
7 $\begin{array}{r} 993 \\ - 723 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$	10 $\begin{array}{r} 243 \\ + 164 \\ \hline \end{array}$	$\begin{array}{r} - \\ \hline \end{array}$
8 $\begin{array}{r} 713 \\ + 475 \\ \hline \end{array}$	$\begin{array}{r} - \\ \hline \end{array}$	11 $\begin{array}{r} 473 \\ - 137 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$
9 $\begin{array}{r} 724 \\ - 251 \\ \hline \end{array}$	$\begin{array}{r} + \\ \hline \end{array}$	12 $\begin{array}{r} 267 \\ + 932 \\ \hline \end{array}$	$\begin{array}{r} - \\ \hline \end{array}$

Use your knowledge of addition and subtraction to work through the different problems. You can use mental or written working out

Code 1

Emoji Code Breaking

									
5	2	7	3	4	9	6	8	0	1



 +
 

 = 97

1.



 +
 

 =
2.



 -
 

 =
3.



 -
 

 =

Code 2

Emoji Code Breaking

									
5	2	7	3	4	9	6	8	0	1




 +
 


 = 935

1.




 +
 


 =
2.




 -
 


 =
3.




 -
 


 =
4.




 +
 


 =

- 1 There are 115 pencils in the cupboard. 82 are given out to the children.
How many are left in the cupboard?



- 2 Edward buys a drink for 82p. He pays with a £1 coin. What change does he receive?

- 3 A flower market has 682 tulips. One florist buys 255 tulips and another 208 tulips. How many are left?

- 4 A sweet shop has 591 boiled sweets in jars. One jar containing 164 sweets and another containing 153 are sold. How many are left?



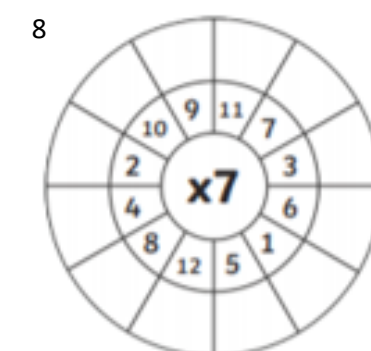
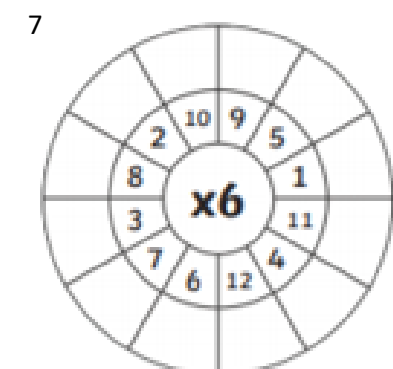
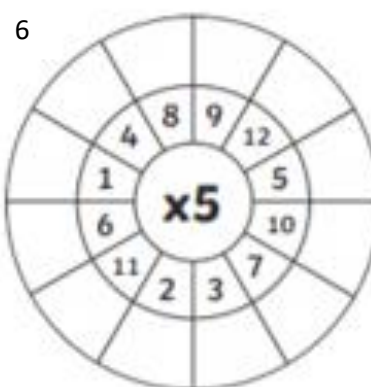
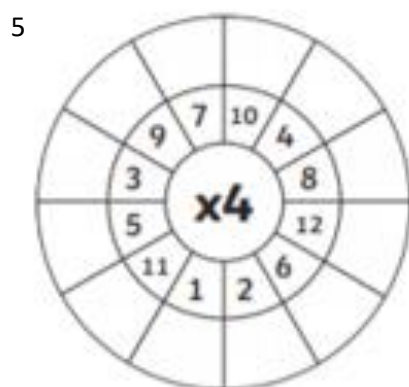
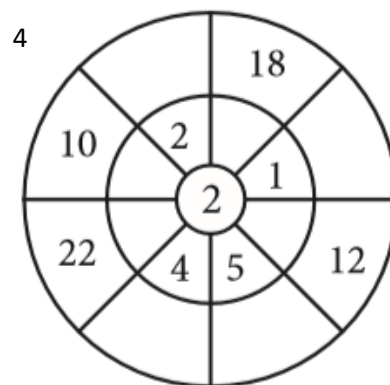
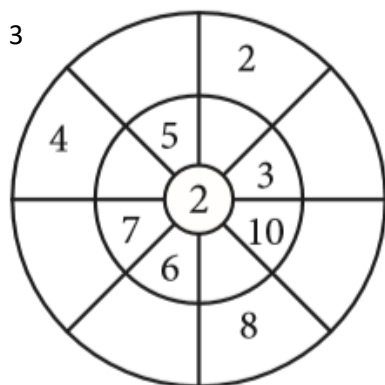
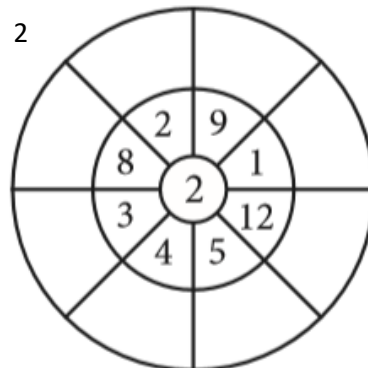
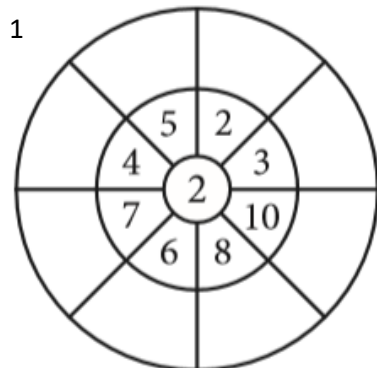
- 5 A farmer has 609 cows. He takes 246 to a new field and 176 to a shed. How many are left behind?

L.O. To recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.



<https://mathsframe.co.uk/en/resources/resource/544/Stone-Age-Stu-Times-Tables>

Have a go at this game before you start!



Challenge

	<u>Word problems</u>	<u>Number sentence</u>
1.	A spider has 8 legs. How many legs would 6 spiders have altogether?	
2.	Miss Brown splits 24 children into 8 equal teams. How many teams are there?	
3.	How many 30p chews can I buy for £1.20? Will I have any money left over?	
4.	I buy cartons of apple juice in packs of 4. There are 42 guests coming to my party. How many packs do I need to buy? Will there be any cartons left over?	

Answers

Page 1

1. $126 - 113 = 13$ inverse: $113 + 13 = 126$
2. $121 + 124 = 245$ inverse: $245 - 124 = 121$ or $245 - 121 = 124$
3. $237 - 124 = 113$ inverse: $124 + 113 = 237$
4. $358 - 346 = 12$ inverse: $346 + 12 = 358$
5. $334 - 123 = 211$ inverse: $123 + 211 = 334$
6. $511 - 230 = 281$ inverse: $230 + 281 = 511$
7. $993 - 723 = 270$ inverse: $723 + 270 = 993$
8. $713 + 475 = 1188$ inverse: $1188 - 475 = 713$ or $1188 - 713 = 475$
9. $724 - 251 = 473$ inverse: $251 + 473 = 724$
10. $243 + 164 = 407$ inverse: $407 - 164 = 243$ or $407 - 243 = 164$
11. $473 - 137 = 336$ inverse: $137 + 336 = 473$
12. $267 + 932 = 1199$ inverse: $1199 - 932 = 267$ or $1199 - 267 = 932$

Page 2

Code 1

1. $53 + 41 = 94$
2. $60 - 27 = 33$
3. $94 - 87 = 7$

Code 2

1. $523 + 174 = 697$
2. $642 - 300 = 342$
3. $914 - 827 = 87$
4. $249 + 516 = 765$

Page 3

1. 33
2. 18
3. 219
4. 274
5. 187

Page 4

1. 4 6 20 16 12 14 8 10
2. 18 2 24 10 8 6 16 4
3. 1 6 20 4 12 14 2 10
4. 9 2 6 10 8 11 5 4
5. 40 16 32 36 24 8 4 44 20 12 36 28
6. 45 60 25 50 35 15 10 55 30 5 20 40
7. 54 30 6 66 24 72 36 42 18 48 12 60
8. 77 49 21 42 7 35 84 56 28 14 70 63

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Challenge

1. $6 \times 8 = 32$

2. $24 \div 8 = 3$

3. $30 \times 4 = 120$

4. $42 \div 4 = 10.5$ Buy 11 packs with 2 left over.