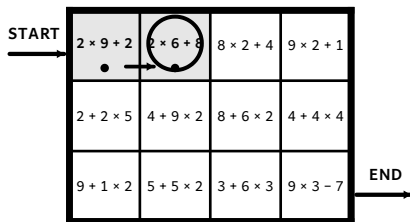




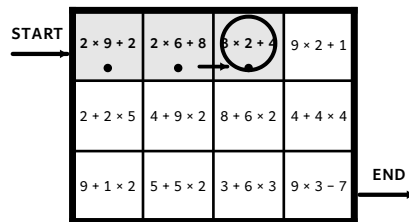
Learn a new puzzle

Number Mazes

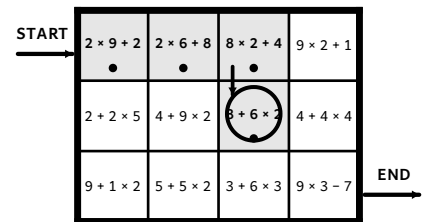
Walk from START to END. Step only on squares that follow the rule. Do $\times$ before $+$ and $-$: $2 + 3 \times 4 = 2 + 12 = 14$.

Trick: Times first**1**

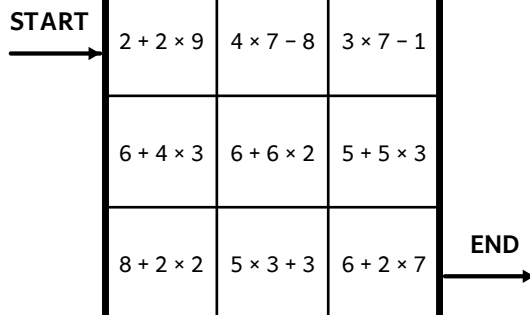
$2 + 2 \times 5$ makes 20 left to right, but $\times$ goes first: 12.
 $2 \times 6 + 8$ makes 20.

2

$8 \times 2 + 4$: $\times$ first, then $+$ or $-$. It makes 20.

3

$8 + 6 \times 2$: $\times$ first, then $+$ or $-$. It makes 20.

Try it

The answer is with the other answers.

Talk about it: Ask: What would you get if you worked left to right? Why is that wrong?



1 Number Mazes Step only on factors of 36.



START →	3	21	20	13	19	17	
	2	4	8	20	11	35	
	7	6	24	8	54	11	
	30	12	8	27	21	21	
	8	4	20	35	13	20	
	11	12	2	36	4	2	END →



Number Mazes Step only on factors of 60.



START →	3	40	34	11	14	35	
	6	2	4	34	21	13	
	7	32	10	3	20	50	
	61	13	40	32	2	3	
	50	35	19	14	32	2	
	35	33	50	14	61	60	END →



Number Mazes Step only on factors of 36.



START →	6	30	17	72	72	20	
	4	12	6	5	17	30	
	54	20	3	21	20	19	
	12	6	18	5	21	5	
	18	17	21	27	54	20	
	3	18	36	9	4	12	END →



4 Number Mazes Step only on factors of 60.



START →	5	12	8	12	6	20	
	33	3	4	6	7	6	
	33	7	8	34	2	5	
	33	36	8	7	6	35	
	29	29	33	11	15	45	
	31	32	33	90	60	12	END →



5 Number Mazes Step only on prime numbers.



START →	89	73	53	85	57	49	
	91	21	73	57	99	77	
	75	95	61	29	11	73	
	39	81	93	39	63	23	
	25	91	33	91	15	43	
	77	69	63	21	77	67	END →



6 Number Mazes Step only on prime numbers.



START →	73	91	21	99	81	69	
	61	25	27	77	65	45	
	41	47	29	45	35	27	
	49	85	73	47	27	33	
	87	95	51	31	59	19	
	27	87	55	55	57	59	END →



7

Number Mazes Step only on prime numbers.



START →	47	61	9	75	9	49	
	33	41	45	75	49	65	
	29	97	75	35	95	21	
	13	9	81	37	17	97	
	31	51	73	89	35	41	
	59	67	79	69	45	37	END →

**8 Number Mazes** Step only on squares that make 30. Do $\times$ before $+$ and $-$.

START $\longrightarrow$

$8 \times 4 - 2$	$6 + 4 \times 3$	$5 \times 7 - 3$	$1 + 7 \times 4$	$7 + 8 \times 2$
$4 \times 7 + 2$	$9 \times 3 + 3$	$4 \times 8 - 1$	$2 + 8 \times 3$	$7 \times 5 - 7$
$4 + 1 \times 6$	$6 \times 4 + 6$	$9 + 1 \times 3$	$2 + 8 \times 3$	$1 + 4 \times 6$
$1 + 9 \times 3$	$3 \times 7 + 9$	$9 + 3 \times 7$	$6 \times 6 - 6$	$2 + 7 \times 4$

END $\longrightarrow$

9 Number Mazes Step only on squares that make 12. Do $\times$ before $+$ and $-$.

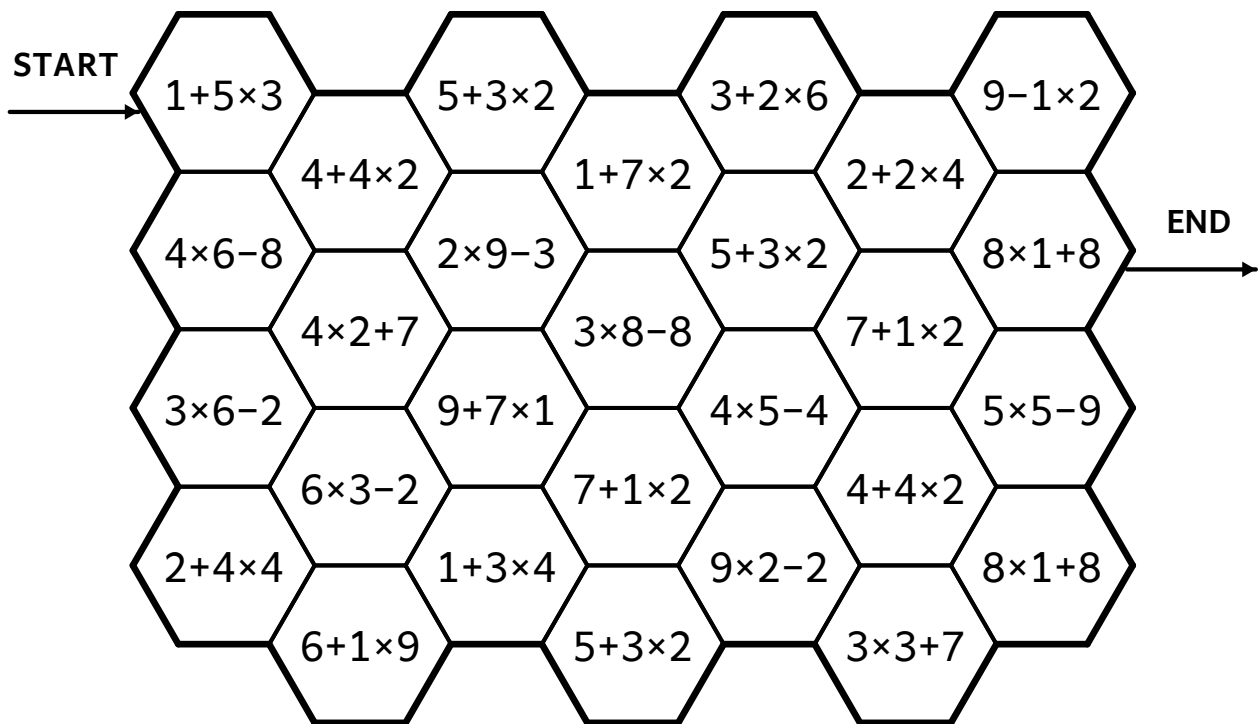
START $\longrightarrow$

$4 \times 1 + 8$	$2 \times 2 + 8$	$7 \times 1 + 6$	$2 + 2 \times 3$	$8 \times 2 - 2$
$1 + 2 \times 4$	$5 \times 4 - 8$	$8 - 2 \times 2$	$4 + 7 \times 1$	$1 \times 3 + 8$
$5 \times 1 + 6$	$8 + 4 \times 1$	$3 \times 5 - 3$	$1 + 5 \times 2$	$5 + 1 \times 2$
$1 + 3 \times 3$	$4 + 1 \times 6$	$2 \times 3 + 6$	$3 \times 5 - 3$	$1 \times 6 + 6$

END $\longrightarrow$



10 Number Mazes Step only on squares that make 16. Do $\times$ before $+$ and $-$. ☆☆☆☆

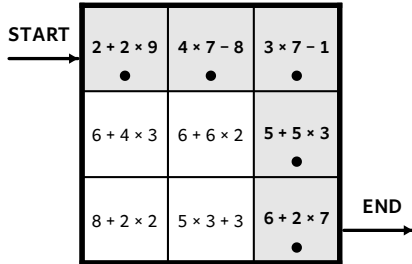




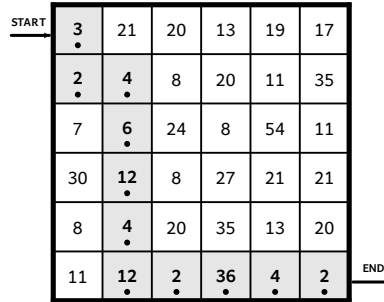
Answers

 For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn · Number Mazes

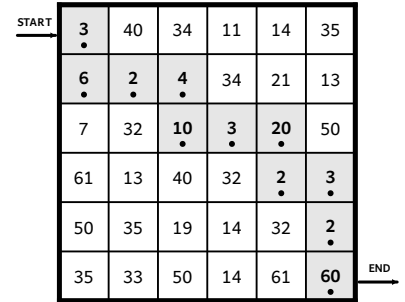


#1



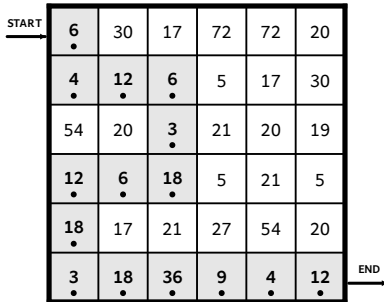
At 4, check the three squares next to you. Only 6 is a factor of 36.

#2



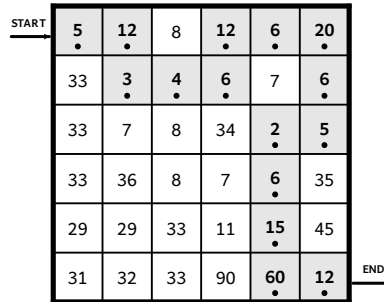
At 2, check the three squares next to you. Only 4 is a factor of 60.

#3



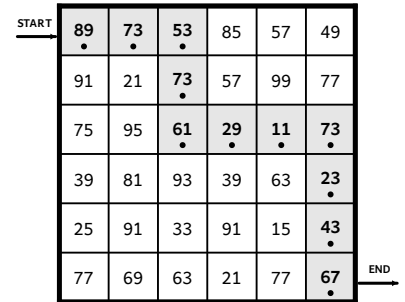
At 12, check the three squares next to you. Only 6 is a factor of 36.

#4



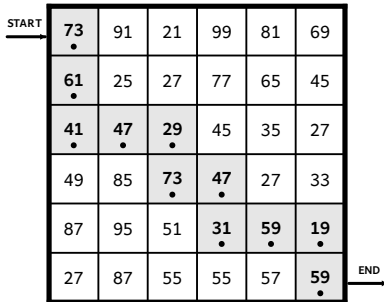
At 3, check the three squares next to you. Only 4 is a factor of 60.

#5



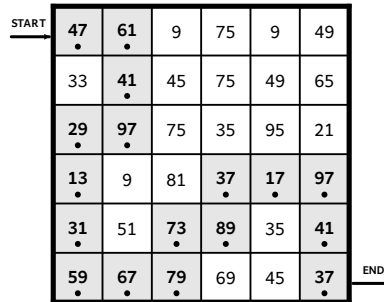
At 73, check the three squares next to you. Only 61 is prime.

#6



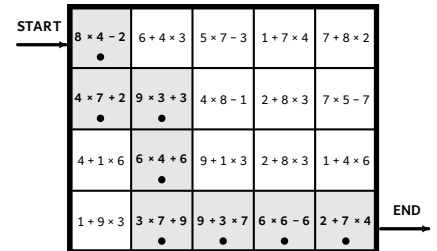
At 47, check the three squares next to you. Only 29 is prime.

#7



At 41, check the three squares next to you. Only 97 is prime.

#8

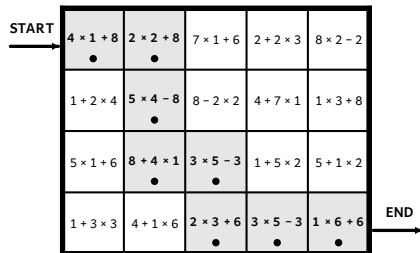


At $9 \times 3 + 3$, check the three squares next to you. Only $6 \times 4 + 6$ makes 30. $6 + 4 \times 3$ makes 30 only if you go left to right; $\times$ first it is 18.



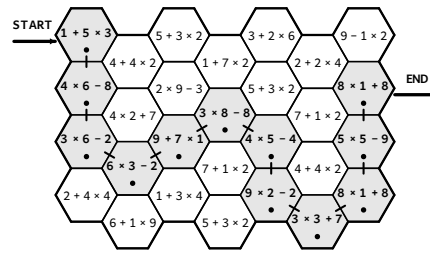
Answers For grown-ups. Cut off or keep this page aside until the puzzles are done.

#9



At $5 \times 4 - 8$, check the three squares next to you. Only $8 + 4 \times 1$ makes 12. $8 - 2 \times 2$ makes 12 only if you go left to right; $\times$ first it is 4.

#10



At $6 \times 3 - 2$, check the five squares next to you. Only $9 + 7 \times 1$ makes 16. $1 + 3 \times 4$ makes 16 only if you go left to right; $\times$ first it is 13.