



Learn a new puzzle

Multiplication Grid

Find the missing factors. Then fill every square.

Trick: Common factor

1

×		7
	15	21
5		35

Where row 5 meets column 7: $5 \times 7 = 35$.

2

×		7
3	15	21
5		35

15 and 21 share a row.
Only 3 goes into both: $15 = 3 \times 5$, $21 = 3 \times 7$.

3

×	5	7
3	15	21
5		35

Now divide: $15 \div 3 = 5$.
Then fill every square.

Try it

×	9	7	4
			16
5			
		14	

The answer is with the other answers.

Talk about it: Ask: Which numbers from 2 to 10 go into both? How do you know?



- 1 **Multiplication Grid** Find the missing factors. Then fill every square.



×		2	8
10			
9			
3	9	6	

- 2 **Multiplication Grid** Find the missing factors. Then fill every square.



×	8	9	
2			
6			60
4			40



3

Multiplication Grid Find the missing factors. Then fill every square.



×	10		4
3			
9		45	
	40		

4

Multiplication Grid Find the missing factors. Then fill every square.



×	3	9	
10			
6			
	24		80



5 Multiplication Grid Find the missing factors. Then fill every square.



×		10	3	
			30	
9				
	32		12	16
8				

6 Multiplication Grid Find the missing factors. Then fill every square.



×	5	3		
2				
		27		81
7			42	
		24		



7

Multiplication Grid Find the missing factors. Then fill every square.



×	10			3
5			40	
8		32		
				30
		36		

8

Multiplication Grid Find the missing factors. Then fill every square.



×				
				10
		8	24	
			54	
	70			35



9

Multiplication Grid Find the missing factors. Then fill every square.



×				
			24	
	81			
			9	
		25		50

10

Multiplication Grid Find the missing factors. Then fill every square.



×					
		21	56		28
	80				
				70	
					24
					16



Answers

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

Learn · Multiplication Grid

×	9	7	4
4	36	28	16
5	45	35	20
2	18	14	8

#1

×	3	2	8
10	30	20	80
9	27	18	72
3	9	6	24

The missing factor in column 1 is $9 \div 3 = 3$. Then divide to find each factor, and multiply to fill every square.

#2

×	8	9	10
2	16	18	20
6	48	54	60
4	32	36	40

The missing factor in column 3 is $60 \div 6 = 10$. Then divide to find each factor, and multiply to fill every square.

#3

×	10	5	4
3	30	15	12
9	90	45	36
4	40	20	16

The missing factor in row 3 is $40 \div 10 = 4$. Then divide to find each factor, and multiply to fill every square.

#4

×	3	9	10
10	30	90	100
6	18	54	60
8	24	72	80

The missing factor in row 3 is $24 \div 3 = 8$. Then divide to find each factor, and multiply to fill every square.

#5

×	8	10	3	4
10	80	100	30	40
9	72	90	27	36
4	32	40	12	16
8	64	80	24	32

The missing factor in row 1 is $30 \div 3 = 10$. Then divide to find each factor, and multiply to fill every square.

#6

×	5	3	6	9
2	10	6	12	18
9	45	27	54	81
7	35	21	42	63
8	40	24	48	72

The missing factor in row 2 is $27 \div 3 = 9$. Then divide to find each factor, and multiply to fill every square.

#7

×	10	4	8	3
5	50	20	40	15
8	80	32	64	24
10	100	40	80	30
9	90	36	72	27

The missing factor in row 3 is $30 \div 3 = 10$. Then divide to find each factor, and multiply to fill every square.

#8

×	10	2	6	5
2	20	4	12	10
4	40	8	24	20
9	90	18	54	45
7	70	14	42	35

Row 2 holds 8 and 24: only 4 fits ($8 = 4 \times 2$, $24 = 4 \times 6$). Then divide to find each factor, and multiply to fill every square.



Answers

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

#9

×	9	5	3	10
8	72	40	24	80
9	81	45	27	90
3	27	15	9	30
5	45	25	15	50

Row 2 holds 81: only 9 fits ($81 = 9 \times 9$). Then divide to find each factor, and multiply to fill every square.

#10

×	10	3	8	7	4
7	70	21	56	49	28
8	80	24	64	56	32
10	100	30	80	70	40
6	60	18	48	42	24
4	40	12	32	28	16

Row 1 holds 21, 56 and 28: only 7 fits ($21 = 7 \times 3$, $56 = 7 \times 8$, $28 = 7 \times 4$). Then divide to find each factor, and multiply to fill every square.