Times Tables up to 12 x 12 and Corresponding Division Facts Activity Booklet





alore	2x table	3x table	4x table	5x table	6x table
	1 × 2 = 2	1 × 3 = 3	1 × 4 = 4	1 × 5 = 5	1 × 6 = 6
2	2 × 2 = 4	$2 \times 3 = 6$	2 × 4 = 8	2 × 5 = 10	$2 \times 6 = 12$
m	3 × 2 = 6	3 × 3 = 9	3 × 4 = 12	3 × 5 = 15	3 × 6 = 18
ţ	4 × 2 = 8	4 × 3 = 12	4 × 4 = 16	4 × 5 = 20	4 × 6 = 24
10	5 × 2 = 10	5 × 3 = 15	5 × 4 = 20	5 × 5 = 25	$5 \times 6 = 30$
9	6 × 2 = 12	6 × 3 = 18	6 × 4 = 24	$6 \times 5 = 30$	6 × 6 = 36
2	7 × 2 = 14	7 × 3 = 21	7 × 4 = 28	7 × 5 = 35	7 × 6 = 42
00	8 × 2 = 16	8 × 3 = 24	8 × 4 = 32	8 × 5 = 40	8 × 6 = 48
6	9 × 2 = 18	9 × 3 = 27	9 × 4 = 36	9 × 5 = 45	9 × 6 = 54
0	$10 \times 2 = 20$	10 × 3 = 30	10 × 4 = 40	$10 \times 5 = 50$	$10 \times 6 = 60$
=	11 × 2 = 22	11 × 3 = 33	11 × 4 = 44	$11 \times 5 = 55$	$11 \times 6 = 66$
7	12 × 2 = 24	12 × 3 = 36	12 × 4 = 48	12 × 5 = 60	12 × 6 = 72
9	8x table	9x table	10x table	11x table	12x table
7	1 × 8 = 8	1 × 9 = 9	1 × 10 = 10	1 × 11 = 11	1 × 12 = 12
4	$2 \times 8 = 16$	2 × 9 = 18	$2 \times 10 = 20$	2 × 11 = 22	2 × 12 = 24
-	3 × 8 = 24	3 × 9 = 27	3 × 10 = 30	3 × 11 = 33	3 × 12 = 36
00	4 × 8 = 32	4 × 9 = 36	4 × 10 = 40	4 × 11 = 44	4 × 12 = 48
5	5 × 8 = 40	5 × 9 = 45	$5 \times 10 = 50$	5 × 11 = 55	$5 \times 12 = 60$
5	6 × 8 = 48	6 × 9 = 54	$6 \times 10 = 60$	6 × 11 = 66	6 × 12 = 72
6	$7 \times 8 = 56$	$7 \times 9 = 63$	7 × 10 = 70	7 × 11 = 77	7 × 12 = 84
90	8 × 8 = 64	8 × 9 = 72	8 × 10 = 80	8 × 11 = 88	8 × 12 = 96
33	9 × 8 = 72	9 × 9 = 81	9 × 10 = 90	9 × 11 = 99	9 × 12 = 108
70	$10 \times 8 = 80$	$10 \times 9 = 90$	$10 \times 10 = 100$	10 × 11 = 110	10 × 12 = 120
11	11 × 8 = 88	$11 \times 9 = 99$	11 × 10 = 110	11 × 11 = 121	11 × 12 = 132
34	$12 \times 8 = 96$	12 × 9 = 108	12 × 10 = 120	12 × 11 = 132	12 × 12 = 144



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9÷	6 ÷ 6 = 1 12 ÷ 6 = 2 18 ÷ 6 = 3 24 ÷ 6 = 4 30 ÷ 6 = 6 42 ÷ 6 = 6 42 ÷ 6 = 7 48 ÷ 6 = 8 54 ÷ 6 = 9 60 ÷ 6 = 10 66 ÷ 6 = 11 72 ÷ 6 = 12	+12 + 12 = 1 24 + 12 = 1 24 + 12 = 2 36 + 12 = 2 48 + 12 = 4 60 + 12 = 5 72 + 12 = 6 84 + 12 = 6 84 + 12 = 7 96 + 12 = 8 108 + 12 = 9 120 + 12 = 10 132 + 12 = 10 132 + 12 = 11 144 + 12 = 12
÷S	$5 \div 5 = 1$ $10 \div 5 = 2$ $15 \div 5 = 3$ $20 \div 5 = 4$ $25 \div 5 = 6$ $30 \div 5 = 6$ $35 \div 5 = 7$ $40 \div 5 = 8$ $45 \div 5 = 9$ $50 \div 5 = 10$ $55 \div 5 = 11$ $60 \div 5 = 12$	+11 11 ÷ 11 = 1 22 ÷ 11 = 2 33 ÷ 11 = 2 33 ÷ 11 = 3 44 ÷ 11 = 4 55 ÷ 11 = 5 66 ÷ 11 = 6 77 ÷ 11 = 7 88 ÷ 11 = 8 99 ÷ 11 = 8 99 ÷ 11 = 9 110 ÷ 11 = 10 121 ÷ 11 = 11 132 ÷ 11 = 12
÷4	$4 \div 4 = 1$ $8 \div 4 = 2$ $12 \div 4 = 3$ $16 \div 4 = 4$ $20 \div 4 = 5$ $24 \div 4 = 6$ $28 \div 4 = 7$ $32 \div 4 = 8$ $36 \div 4 = 9$ $40 \div 4 = 10$ $44 \div 4 = 11$ $48 \div 4 = 12$	$\dot{-100} \div 10 = 1$ $20 \div 10 = 1$ $20 \div 10 = 2$ $30 \div 10 = 3$ $40 \div 10 = 4$ $50 \div 10 = 6$ $70 \div 10 = 6$ $70 \div 10 = 7$ $80 \div 10 = 7$ $80 \div 10 = 8$ $90 \div 10 = 7$ $110 \div 10 = 10$ $110 \div 10 = 11$ $120 \div 10 = 12$
€ ÷	3 ÷ 3 = 1 6 ÷ 3 = 2 9 ÷ 3 = 3 12 ÷ 3 = 4 15 ÷ 3 = 5 18÷ 3 = 6 21 ÷ 3 = 8 21 ÷ 3 = 8 24 ÷ 3 = 8 24 ÷ 3 = 8 27 ÷ 3 = 9 30 ÷ 3 = 10 33 ÷ 3 = 12 36 ÷ 3 = 12	+9 + 9 = 1 18 + 9 = 2 27 + 9 = 2 36 + 9 = 4 45 + 9 = 6 63 + 9 = 6 63 + 9 = 6 63 + 9 = 7 72 + 9 = 8 81 + 9 = 9 81 + 9 = 9 90 + 9 = 11 108 + 9 = 12
÷2	$2 \div 2 = 1$ $4 \div 2 = 2$ $6 \div 2 = 3$ $8 \div 2 = 4$ $10 \div 2 = 5$ $12 \div 2 = 6$ $14 \div 2 = 8$ $16 \div 2 = 8$ $18 \div 2 = 9$ $20 \div 2 = 10$ $22 \div 2 = 11$ $24 \div 2 = 12$	•• 8 8 ÷ 8 = 1 16 ÷ 8 = 2 24 ÷ 8 = 3 32 ÷ 8 = 4 40 ÷ 8 = 5 48 ÷ 8 = 6 56 ÷ 8 = 7 64 ÷ 8 = 8 72 ÷ 8 = 8 72 ÷ 8 = 9 80 ÷ 8 = 10 88 ÷ 8 = 11 96 ÷ 8 = 12
÷	1 ÷ 1 = 1 2 ÷ 1 = 2 3 ÷ 1 = 2 5 ÷ 1 = 5 6 ÷ 1 = 6 6 ÷ 1 = 6 7 ÷ 1 = 7 8 ÷ 1 = 8 9 ÷ 1 = 8 9 ÷ 1 = 9 10 ÷ 1 = 10 11 ÷ 1 = 11 12 ÷ 1 = 12	$4, 7 = 1$ $7 \div 7 = 1$ $14 \div 7 = 2$ $21 \div 7 = 3$ $28 \div 7 = 4$ $35 \div 7 = 6$ $42 \div 7 = 6$ $49 \div 7 = 7$ $56 \div 7 = 8$ $63 \div 7 = 9$ $63 \div 7 = 9$ $70 \div 7 = 10$ $70 \div 7 = 11$ $84 \div 7 = 12$

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Times Tables up to 12 x 12 and Corresponding Division Facts Multiplication Wheels

Multiply the numbers by the middle number.







Times Tables up to 12 x 12 and Corresponding Division Facts Division Wheels

Divide the numbers by the middle number.



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Times Tables up to 12 x 12 and Corresponding Division Facts Multiplication Square

Can you fill in the grid by multiplying the numbers?

×	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												



Times Tables up to 12 x 12 and Corresponding Division Facts **Football-Themed Mixed Times Table Mosaic**

Solve the calculations to reveal the hidden picture. Each answer has a special colour.

red = 1-5	b =	llue 6-10	yellow = 11-25	bl a = 26	1 .ck ł 5-30	nair colour your choic = 31-60	of skin e you = (colour of r choice 51-144
3 × 3	20 ÷ 4	5 × 4	24 ÷ 8	36 ÷ 3	8 ÷ 4	36 ÷ 3	40 ÷ 8	72 ÷ 8
8 × 8	40 ÷ 8	2 × 8	35 ÷ 7	96 ÷ 8	15 ÷ 3	96 ÷ 8	1 × 3	9 × 8
12 × 12	32 ÷ 4	3 × 3	40 ÷ 4	21 ÷ 3	32 ÷ 4	28 ÷ 4	36 ÷ 4	11 × 8
16 ÷ 8	56 ÷ 8	72 ÷ 8	7 × 7	12 × 4	12 × 5	35 ÷ 5	48 ÷ 8	8 ÷ 4
16 ÷ 4	2 × 3	28 ÷ 4	7 × 4	12 × 11	3 × 10	24 ÷ 3	27 ÷ 3	16 ÷ 4
30 ÷ 3	32 ÷ 8	28 ÷ 4	9 × 9	9 × 12	6 × 12	72 ÷ 8	8 ÷ 4	21 ÷ 3
36 ÷ 4	1 × 4	30 ÷ 3	10 × 9	3 × 10	8 × 9	56 ÷ 8	1 × 4	64 ÷ 8
72 ÷ 8	30 ÷ 3	24 ÷ 8	28 ÷ 4	11 × 7	56 ÷ 8	30 ÷ 6	24 ÷ 3	80 ÷ 8
80 ÷ 8	36 ÷ 4	32 ÷ 8	16 ÷ 8	12 ÷ 3	16 ÷ 8	20 ÷ 4	64 ÷ 8	32 ÷ 4
72 ÷ 8	30 ÷ 3	56 ÷ 8	32 ÷ 8	15 ÷ 3	32 ÷ 8	40 ÷ 4	21 ÷ 3	32 ÷ 4

Challenge: Are these calculations true or false? Explain your reasoning.

5 × 8 < 12 × 3

72 ÷ 8 > 56 ÷ 7



Times Tables up to 12 x 12 and Corresponding Division Facts Ultimate Division and Times Table Challenge

Try a column a day. Can you beat your personal best?

Time taken:	Number	Correct:	Previous	Score:	
1 ÷ 1 =	132 ÷ 11 =	120 ÷ 10 =	15 ÷ 3 =	9 ÷ 1 =	7 ÷ 7 =
1 × 5 =	1 × 2 =	2 × 5 =	4 × 1 =	2 × 9 =	4 × 5 =
3 ÷ 3 =	9 ÷ 3 =	108 ÷ 9 =	21 ÷ 3 =	6 ÷ 6 =	33 ÷ 11 =
1 × 4 =	4 × 3 =	1 × 3 =	11 × 7 =	4 × 9 =	3 × 9 =
5 ÷ 5 =	72 ÷ 8 =	25 ÷ 5 =	96 ÷ 8 =	14 ÷ 2 =	55 ÷ 5 =
10 × 3 =	6 × 3 =	1 × 11 =	2 × 11 =	11 × 11 =	1 × 7 =
15 ÷ 5 =	63 ÷ 9 =	35 ÷ 7 =	49 ÷ 7 =	63 ÷ 7 =	50 ÷ 10 =
10 × 3 =	6 × 3 =	1 × 11 =	2 × 11 =	11 × 11 =	1 × 7 =
9 ÷ 9 =	27 ÷ 9 =	30 ÷ 3 =	81 ÷ 9 =	28 ÷ 4 =	56 ÷ 8 =
8 × 1 =	10 × 1 =	5 × 7 =	6 × 5 =	3 × 8 =	8 × 11 =
11 ÷ 11 =	33 ÷ 11 =	55 ÷ 11 =	6 ÷ 2 = 3	44 ÷ 4 =	40 ÷ 8 =
11 × 9 =	6 × 8 =	6 × 11 =	10 × 7 =	10 × 9 =	10 × 11 =
2 ÷ 2 =	24 ÷ 8 =	42 ÷ 6 =	12 ÷ 1 =	10 ÷ 1 =	21 ÷ 7 =
12 × 5 =	12 × 12 =	5 × 4 =	12 × 7 =	12 × 9 =	12 × 11 =
44 ÷ 11 =	12 ÷ 3 =	45 ÷ 9 =	24 ÷ 12 =	8÷2=	6 ÷ 1 =
2 × 2 =	9 × 11 =	2 × 6 =	2 × 8 =	2 × 12 =	7 × 6 =
10 ÷ 5 =	20 ÷ 10 =	12 ÷ 12 =	40 ÷ 5 =	18 ÷ 3 =	77 ÷ 7 =
4 × 2 =	4 × 4 =	4 × 6 =	6 × 9 =	4 × 10 =	9 × 5 =
14 ÷ 7 =	18 ÷ 9 =	20 ÷ 2 =	50 ÷ 5 =	8 ÷ 1 =	30 ÷ 5 =
7 × 4 =	6 × 4 =	6 × 6 =	12 × 3 =	6 × 2 =	8 × 4 =
40 ÷ 10 =	36 ÷ 9 =	36 ÷ 3 =	72 ÷ 9 =	96 ÷ 12 =	48 ÷ 8 =
7 × 8 =	6 × 1 0=	12 × 10 =	12 × 4 =	8 × 10 =	8 × 2 =
22 ÷ 11 =	72 ÷ 6 =	60 ÷ 5 =	88 ÷ 11 =	110 ÷ 11 =	64 ÷ 8 =
11 × 6 =	9 × 6 =	10 × 6 =	3 × 2 = 6	4 x 12 =	9 × 10 =



Space-Themed Mixed Times Table Mosaic

Solve the calculations to reveal a hidden picture. Each answer has a special colour.

blue = 1 - 20	black = 21 - 30	white = 31 – 50	grey = 51 – 80	green = 81 - 144
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110 ÷ 11	49 ÷ 7	32 ÷ 8	4 × 5	8 × 4	55 ÷ 11	99 ÷ 9	28 ÷ 7	63 ÷ 9
81 ÷ 9	72 ÷ 9	96 ÷ 8	6 × 7	8 × 3	3 × 11	35 ÷ 7	108 ÷ 9	56 ÷ 8
56 ÷ 7	2 × 8	36 ÷ 3	6 × 5	12 × 3	4 × 7	84 ÷ 7	36 ÷ 3	3 × 3
5 × 4	8 ÷ 4	108 ÷ 9	7 × 7	12 × 4	7 × 7	4 × 4	96 ÷ 8	11 ÷ 11
72 ÷ 8	30 ÷ 3	56 ÷ 8	9 × 4	5 × 9	4 × 9	40 ÷ 4	21 ÷ 3	32 ÷ 4
12 × 12	9 × 10	8 × 8	7 × 6	4 × 9	12 × 4	11 × 5	12 × 11	10 × 10
9×9	12 × 5	9 × 8	4 × 9	6 × 12	7 × 7	7 × 8	12 × 6	9 × 9
11 × 8	11 × 5	9 × 7	7 × 7	8 × 9	8 × 6	12 × 5	7 × 8	10 × 9
11 × 7	7 × 8	11 × 5	6 × 6	6 × 12	11 × 4	7 × 9	12 × 5	8 × 7
9 × 12	11 × 12	10 × 9	12 × 8	12 × 6	12 ×11	11 × 11	11 × 9	8 × 12

Challenge: Write all the times tables calculations with an answer of 36.





Times Tables up to 12 x 12 and Corresponding Division Facts Ultimate Times Tables Missing Numbers Challenge

Name:

Number Correct:

Date:

Previous Score:

	0	·0.		U.	
2 × = 8	40 = × 10	12 × = 144	11 × 7 =	× 3 = 21	48 = 12 ×
× 1 = 3	× 4 = 24	× 5 = 30	35 = × 5	8 × = 72	8 × = 24
= 5 × 2	3 × = 21	4 × = 44	× 8 = 40	5 × 4 =	120 = × 10
4 × = 16	8 × 11 =	48 = 6 ×	9 × = 36	11 × = 121	× 4 = 16
10 × = 60	7 × = 35	9 × = 90	1 × = 8	18 = 3 ×	9 × = 18
× 4 = 8	× 9 = 18	× 6 = 12	12 × 6 =	× 6 = 48	30 = × 5
16 = 8 ×	8 × = 80	7 × 7 =	× 9 = 63	× 9 = 27	9 × = 36
5 × 3 =	× 2 = 12	× 1 = 8	× 10 = 30	24 = 4 ×	2 × = 14
× 3 = 30	20 = × 5	× 9 = 81	9 × = 54	× 7 = 49	8 × 5 =
× 1 = 12	12 × = 72	36 = 12 ×	× 4 = 12	12 × = 144	3 × = 12
3 × = 18	= 3 × 3	10 × 12 =	8 × = 64	6 × = 18	× 6 = 36
× 4 = 44	8 × = 32	8 × = 56	= 2 × 7	8 × = 56	× 9 = 99
7 × = 14	× 4 = 16	× 10 = 30	12 × = 132	4 × 10 =	28 = 4 ×
8 × 3 =	× 7 = 70	5 × = 40	25 = × 5	× 2 = 16	9 × 3 =
20 = 4 ×	5 × = 25	× 2 = 4	× 8 = 16	× 4 = 28	5 × = 25
11 × = 99	× 3 = 33	9 × 5 =	24 = 8 ×	9 × = 45	7 × = 21
× 3 = 12	× 4 = 36	3 × = 12	77 = 11 ×	× 6 = 72	× 4 = 24
9 × = 18	= 7 × 1	8 × = 32	× 6 = 18	3 × 3 =	12 × = 24
5 × 10 =	× 11 = 66	× 9 = 45	= 11 × 8	8 × = 48	× 5 = 45
× 2 = 6	× 6 = 36	48 = × 4	12 × = 144	5 × = 60	7 × = 49
× 3 = 21	10 × = 50	5 × = 10	15 = × 3	4 × = 12	× 8 = 96
8 × = 40	18 = × 3	9 × 1 =	2 × = 12	7 × = 42	3 × = 24
11 × 2 =	9 × = 27	× 7 = 14	9 × = 27	66 = × 6	5 × = 15
× 12 = 60	10 × 10 =	12 × = 84	× 2 = 16	32 = 8 ×	× 12 = 144





Times Tables up to 12 x 12 and Corresponding Division Facts Up to 12 × 12 Times Table Kaboom Game

Instructions

This is a game for two or more players.

Kaboom is a fun way to learn your times tables. The aim of the game is to collect as many times table strips as possible but be careful of those kaboom strips!

You will need:

- Cup (make sure it's not a see-through one)
- Times Table Strips
- Kaboom Strips (×4)
- Answer Sheet

How to Play

- 1. Put all the times table strips and kaboom strips in the cup. Put them with the bomb picture at the top of the cup. Mix them all up.
- 2. Take it in turns to pull out a strip. If you get a times table strip, tell everyone the answer.
- 3. The other players check your answer using the answer sheet.
- 4. If you get the answer right, you keep the strip.
- 5. If you pull out a kaboom strip, you have to put all your strips back in the cup. The kaboom strip doesn't go back in the cup.
- 6. The game ends when there are no more strips in the cup. The winner is the player with the most strips.







Times Tables up to 12 x 12 and Corresponding Division Facts Kaboom Up to 12 × 12 Times Table Strips

3 × 3 =
2 × 9 =
12 × 3 =
5 × 5 =
7 × 4 =
8 × 7 =
6 × 4 =
7 × 2 =
2 × 11 =
4 × 10 =
8 × 4 =
9 × 3 =
9 × 8 =



Kaboom Strips









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Challenge + 5 points

A tower contains 8 building blocks. How many building blocks would be needed for 7 towers?

Challenge + 5 points

If Molly swims 12 metres every day for 7 days, how far will she swim in total?

Challenge + 6 points

There are 24 people standing in a line at a taxi rank. Each time a taxi comes, 3 people get in. How many taxis will be needed to carry all 24 people?

Challenge + 6 points

A chef is making blueberry pancakes. He wants to put 9 blueberries on each pancake. How many blueberries would he need for 6 pancakes?

Challenge + 7 points

A box contains 6 eggs. How many eggs will there be in 12 boxes?

Challenge + 7 points

Ernie is saving his pocket money. He saves £4 each week. How much money will he save in 8 weeks?

Challenge + 8 points

A cupcake contains 12g of chocolate chips. How many grams of chocolate chips would be needed for 8 cupcakes?

Challenge + 8 points

Sia is making bows. Each bow requires 12cm of ribbon. How much ribbon will she need to make 4 bows?













Player 1	Player 2	Player 3	Player 4

