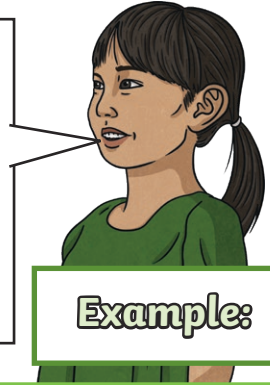


The 4 and 8 Times Tables

Times tables are important to us as they make harder maths problems easier for us to solve. Times tables help us to not only work out multiplications but also divisions.

Lots of times tables can be connected using different patterns. The 4x tables and 8x tables are linked together by doubling and halving.



Example:

This example shows how we can use the 4x tables to work out the 8x tables.

$$1 \times 4 = 4$$

$$1 \times 8 = 8$$

$$\text{Double } 4 = 8 \quad (2 \times 4 = 8)$$

$$2 \times 4 = 8$$

$$2 \times 8 = 16$$

$$\text{Double } 8 = 16 \quad (2 \times 8 = 16)$$

$$5 \times 8 = 40$$

$$5 \times 4 = 20$$

$$5 \times 8 = 40 - \text{Half of } 40 = 20$$

$$\text{So therefore } 5 \times 4 = 20$$

1

Can you colour in the 4x and 8x tables on the hundred squares below?

4x

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

8x

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

2

Can you use the times tables to fill in the missing numbers from each times table pattern?

1. 4, _____, 12, _____, 20, 24, _____, _____, 36, 40, _____, _____

2. _____, 16, _____, 32, _____, _____, 56, 64, _____, _____, 88, 96

3

Can you use the times tables to fill in the missing numbers from each times table pattern?

1. $4 \times 4 = 16$ $4 \times 8 =$ _____

2. $3 \times 4 =$ _____ $3 \times 8 = 24$

3. $6 \times 4 = 24$ $6 \times 8 =$ _____

4. $1 \times 4 =$ _____ $1 \times 8 = 8$

5. $8 \times 4 = 32$ $8 \times 8 =$ _____

6. $10 \times 4 =$ _____ $10 \times 8 = 80$

7. $9 \times 4 = 36$ $9 \times 8 =$ _____

8. $5 \times 4 =$ _____

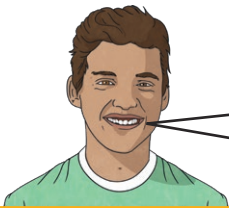
$5 \times 8 = 40$

9. $11 \times 4 = 44$

$11 \times 8 =$ _____

10. $2 \times 4 =$ _____

$2 \times 8 = 16$



Set a timer for yourself. See if you can answer these questions below in two minutes.

Challenge

$3 \times 4 =$ _____

$5 \times 8 =$ _____

$7 \times 4 =$ _____

$12 \times 8 =$ _____

$10 \times 4 =$ _____

$0 \times 4 =$ _____

$8 \times 8 =$ _____

$11 \times 8 =$ _____

$1 \times 8 =$ _____

$6 \times 4 =$ _____

$7 \times 8 =$ _____

$12 \times 4 =$ _____

$11 \times 4 =$ _____

$4 \times 8 =$ _____

$4 \times 4 =$ _____

$8 \times 4 =$ _____

$6 \times 8 =$ _____

$9 \times 4 =$ _____

$9 \times 8 =$ _____

$3 \times 8 =$ _____

The 4 and 8 Times Tables - Answers

1

4x

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

8x

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

2

- $4 \times 4 = 16$ $4 \times 8 = 32$
- $3 \times 4 = 12$ $3 \times 8 = 24$
- $6 \times 4 = 24$ $6 \times 8 = 48$
- $1 \times 4 = 4$ $1 \times 8 = 8$
- $8 \times 4 = 32$ $8 \times 8 = 64$
- $10 \times 4 = 40$ $10 \times 8 = 80$
- $9 \times 4 = 36$ $9 \times 8 = 72$
- $5 \times 4 = 20$ $5 \times 8 = 40$
- $11 \times 4 = 44$ $11 \times 8 = 88$
- $2 \times 4 = 8$ $2 \times 8 = 16$

Challenge

- $3 \times 4 = 12$ $7 \times 8 = 56$
- $5 \times 8 = 40$ $12 \times 4 = 48$
- $7 \times 4 = 28$ $11 \times 4 = 44$
- $12 \times 8 = 96$ $4 \times 8 = 32$
- $10 \times 4 = 40$ $4 \times 4 = 16$
- $0 \times 4 = 0$ $8 \times 4 = 32$
- $8 \times 8 = 64$ $6 \times 8 = 48$
- $11 \times 8 = 88$ $9 \times 4 = 36$
- $1 \times 8 = 8$ $9 \times 8 = 72$
- $6 \times 4 = 24$ $3 \times 8 = 24$