MATHEMATICS · KINDERGARTEN TO GRADE 3

Multiplication tables

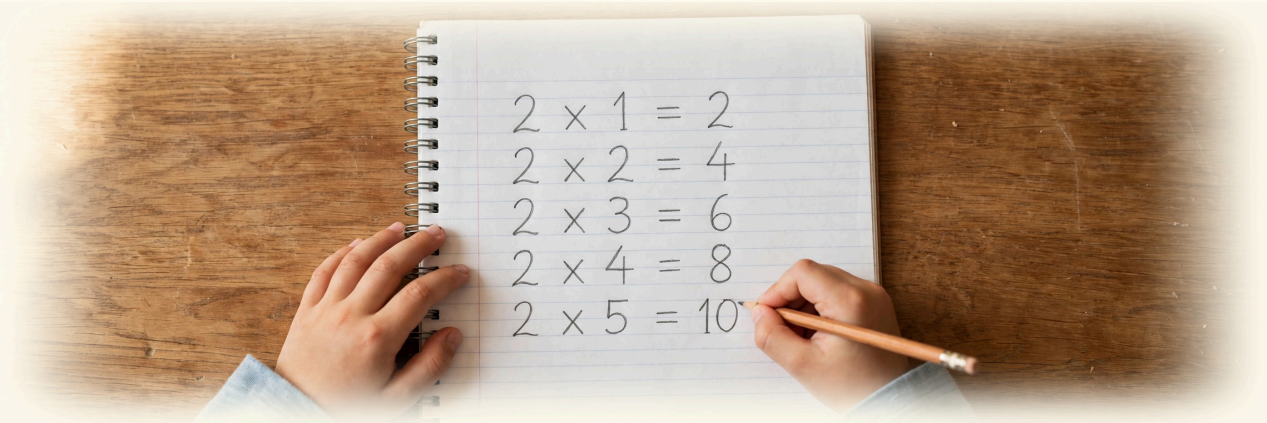
Difficulty level: Easy

Mathematics: Kindergarten to Grade 3

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Overview of the concept

This is how you look up a product quickly in a table, like finding four times seven at a glance, and its patterns help you remember the facts. A multiplication table lays out all the products in a grid, so you can find any answer in seconds and start spotting the patterns that help you remember them. You use it while you are learning your tables, to check an answer quickly, or to see how the products grow as the numbers get bigger.



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Worked examples

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

EXAMPLE 1

Q Use the multiplication table to find 3 × 7.

SOLUTION

Find the row for 3 and the column for 7. Where they meet is the product.

3 × 7 = 21

The table is symmetric, so 7 × 3 meets at the same cell: 21 as well.

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EXAMPLE 2

Q Find 9 × 6.

SOLUTION

The long way is counting up the 9s. Here is a shortcut: 10 × 6 is one 6 more than 9 × 6.

10 × 6 = 60, 60 − 6 = 54

9 × 6 = 54. Check it: 9 × 6 = 54

Practice questions

1 What is 6 × 7?

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2 What is 8 × 4? Use the fact that 8 × 4 is the same as 4 × 8.

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3 The 7 times table goes 7, 14, 21, 28. What comes next?

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4 What do all the products in the 5 times table end in?

A 0 or 5

B 0 only

C 5 only

D 1 or 6

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5 The digits of 9 × 6 = 54 add to 9. What is 9 × 7?

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6 You know $7 \times 4 = 28$. What is 7×8?

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7 How many times does 24 appear as a product when you multiply whole numbers from 1 to 10?

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8 Which table has only even products: the 2 times table or the 3 times table?

A The 2 times table

B The 3 times table

C Both tables

D Neither table

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9 Find the missing factor $6 \times ? = 42$

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10 Write the products of the 4 times table up to 4×5, in order.

A. 4, 8, 12, 16, 20

B. 4, 8, 12, 16, 24

C. 4, 8, 12, 20, 24

D. 4, 6, 8, 12, 16

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ANSWER KEY

1. 42

2. 32

3. 35

4. 0 or 5

5. 63

6. 56

7. 4

8. The 2 times table

9. 7

10. 4, 8, 12, 16, 20

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