The 9 Times Table: Ten Groups Minus One

Use the fact you know to find the new one.

$10 \times 4 = \square$	$9 \times 4 = \square - 4 = \square$
$10 \times 8 = \square$	$9 \times 8 = \square - 8 = \square$
$10 \times 2 = \square$	$9 \times 2 = \square - 2 = \square$
$10 \times 10 = \square$	$9 \times 10 = \square - 10 = \square$
$10 \times 1 = \square$	$9 \times 1 = \square - 1 = \square$
$10 \times 5 = \square$	$9 \times 5 = \square - 5 = \square$
$10 \times 9 = \square$	$9 \times 9 = \square - 9 = \square$
$10 \times 7 = \square$	$9 \times 7 = \square - 7 = \square$
$10 \times 3 = \square$	$9 \times 3 = \square - 3 = \square$
$10 \times 6 = \square$	$9 \times 6 = \square - 6 = \square$

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The 9 Times Table: Ten Groups Minus One

Use the fact you know to find the new one.

$10 \times 3 =$ ☐	$9 \times 3 =$ ☐ $- 3 =$ ☐
$10 \times 5 =$ ☐	$9 \times 5 =$ ☐ $- 5 =$ ☐
$10 \times 8 =$ ☐	$9 \times 8 =$ ☐ $- 8 =$ ☐
$10 \times 1 =$ ☐	$9 \times 1 =$ ☐ $- 1 =$ ☐
$10 \times 7 =$ ☐	$9 \times 7 =$ ☐ $- 7 =$ ☐
$10 \times 2 =$ ☐	$9 \times 2 =$ ☐ $- 2 =$ ☐
$10 \times 10 =$ ☐	$9 \times 10 =$ ☐ $- 10 =$ ☐
$10 \times 4 =$ ☐	$9 \times 4 =$ ☐ $- 4 =$ ☐
$10 \times 6 =$ ☐	$9 \times 6 =$ ☐ $- 6 =$ ☐
$10 \times 9 =$ ☐	$9 \times 9 =$ ☐ $- 9 =$ ☐

The 9 Times Table: Mixed Facts

Write each answer.

$9 \times 9 =$ ☐	$2 \times 9 =$ ☐
$9 \times 4 =$ ☐	$8 \times 9 =$ ☐
$9 \times 2 =$ ☐	$9 \times 6 =$ ☐
$9 \times 9 =$ ☐	$9 \times 3 =$ ☐
$7 \times 9 =$ ☐	$5 \times 9 =$ ☐
$10 \times 9 =$ ☐	$9 \times 7 =$ ☐
$9 \times 1 =$ ☐	$3 \times 9 =$ ☐
$9 \times 8 =$ ☐	$9 \times 5 =$ ☐
$9 \times 10 =$ ☐	$1 \times 9 =$ ☐
$4 \times 9 =$ ☐	$6 \times 9 =$ ☐

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The 9 Times Table: Mixed Facts

Write each answer.

$1 \times 9 =$ ☐	$9 \times 8 =$ ☐
$9 \times 10 =$ ☐	$9 \times 6 =$ ☐
$9 \times 3 =$ ☐	$9 \times 9 =$ ☐
$5 \times 9 =$ ☐	$9 \times 1 =$ ☐
$7 \times 9 =$ ☐	$9 \times 9 =$ ☐
$9 \times 2 =$ ☐	$4 \times 9 =$ ☐
$6 \times 9 =$ ☐	$10 \times 9 =$ ☐
$9 \times 4 =$ ☐	$9 \times 7 =$ ☐
$2 \times 9 =$ ☐	$9 \times 5 =$ ☐
$8 \times 9 =$ ☐	$3 \times 9 =$ ☐

The 9 Times Table: The Missing Number

Find the missing number.

$9 \times \square = 72$

$9 \times \square = 18$

$9 \times \square = 45$

$\square \times 9 = 72$

$9 \times \square = 9$

$9 \times \square = 54$

$9 \times \square = 36$

$9 \times \square = 81$

$\square \times 9 = 54$

$\square \times 9 = 18$

$\square \times 9 = 36$

$9 \times \square = 90$

$\square \times 9 = 63$

$\square \times 9 = 45$

$\square \times 9 = 27$

$\square \times 9 = 90$

$9 \times \square = 63$

$\square \times 9 = 9$

$\square \times 9 = 81$

$9 \times \square = 27$

The 9 Times Table: The Missing Number

Find the missing number.

$9 \times \square = 54$	$9 \times \square = 72$
$\square \times 9 = 36$	$\square \times 9 = 18$
$\square \times 9 = 81$	$9 \times \square = 45$
$9 \times \square = 9$	$\square \times 9 = 27$
$\square \times 9 = 63$	$\square \times 9 = 45$
$\square \times 9 = 9$	$9 \times \square = 63$
$9 \times \square = 81$	$9 \times \square = 36$
$9 \times \square = 18$	$9 \times \square = 90$
$\square \times 9 = 72$	$9 \times \square = 27$
$\square \times 9 = 90$	$\square \times 9 = 54$



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The 9 Times Table: Answer Key, Pages 1 to 4

For the grown-up. Each red number sits where your child writes it.

Page 1

10 × 4 = 40	9 × 4 = 40 − 4 = 36
10 × 8 = 80	9 × 8 = 80 − 8 = 72
10 × 2 = 20	9 × 2 = 20 − 2 = 18
10 × 10 = 100	9 × 10 = 100 − 10 = 90
10 × 1 = 10	9 × 1 = 10 − 1 = 9
10 × 5 = 50	9 × 5 = 50 − 5 = 45
10 × 9 = 90	9 × 9 = 90 − 9 = 81
10 × 7 = 70	9 × 7 = 70 − 7 = 63
10 × 3 = 30	9 × 3 = 30 − 3 = 27
10 × 6 = 60	9 × 6 = 60 − 6 = 54

Page 2

10 × 3 = 30	9 × 3 = 30 − 3 = 27
10 × 5 = 50	9 × 5 = 50 − 5 = 45
10 × 8 = 80	9 × 8 = 80 − 8 = 72
10 × 1 = 10	9 × 1 = 10 − 1 = 9
10 × 7 = 70	9 × 7 = 70 − 7 = 63
10 × 2 = 20	9 × 2 = 20 − 2 = 18
10 × 10 = 100	9 × 10 = 100 − 10 = 90
10 × 4 = 40	9 × 4 = 40 − 4 = 36
10 × 6 = 60	9 × 6 = 60 − 6 = 54
10 × 9 = 90	9 × 9 = 90 − 9 = 81

Page 3

9 × 9 = 81	2 × 9 = 18
9 × 4 = 36	8 × 9 = 72
9 × 2 = 18	9 × 6 = 54
9 × 9 = 81	9 × 3 = 27
7 × 9 = 63	5 × 9 = 45
10 × 9 = 90	9 × 7 = 63
9 × 1 = 9	3 × 9 = 27
9 × 8 = 72	9 × 5 = 45
9 × 10 = 90	1 × 9 = 9
4 × 9 = 36	6 × 9 = 54

Page 4

1 × 9 = 9	9 × 8 = 72
9 × 10 = 90	9 × 6 = 54
9 × 3 = 27	9 × 9 = 81
5 × 9 = 45	9 × 1 = 9
7 × 9 = 63	9 × 9 = 81
9 × 2 = 18	4 × 9 = 36
6 × 9 = 54	10 × 9 = 90
9 × 4 = 36	9 × 7 = 63
2 × 9 = 18	9 × 5 = 45
8 × 9 = 72	3 × 9 = 27

The 9 Times Table: Answer Key, Pages 5 to 6

For the grown-up. Each red number sits where your child writes it.

Page 5

9 × 8 = 72	9 × 2 = 18
9 × 5 = 45	8 × 9 = 72
9 × 1 = 9	9 × 6 = 54
9 × 4 = 36	9 × 9 = 81
6 × 9 = 54	2 × 9 = 18
4 × 9 = 36	9 × 10 = 90
7 × 9 = 63	5 × 9 = 45
3 × 9 = 27	10 × 9 = 90
9 × 7 = 63	1 × 9 = 9
9 × 9 = 81	9 × 3 = 27

Page 6

9 × 6 = 54	9 × 8 = 72
4 × 9 = 36	2 × 9 = 18
9 × 9 = 81	9 × 5 = 45
9 × 1 = 9	3 × 9 = 27
7 × 9 = 63	5 × 9 = 45
1 × 9 = 9	9 × 7 = 63
9 × 9 = 81	9 × 4 = 36
9 × 2 = 18	9 × 10 = 90
8 × 9 = 72	9 × 3 = 27
10 × 9 = 90	6 × 9 = 54

For Grown-Ups: How to Use These Worksheets

For third grade, after the 6s and 8s. Each activity has two pages, the same facts in a new order.

Why use it

Every 9s fact is the 10s fact minus one group: for 9 × 7, ten 7s is 70, and taking one 7 away leaves 63. The patterns in the 9s come from the same place, 9 = 10 − 1: the tens digit is one less than the number multiplied, and the two digits add to 9. By this step only two 9s facts are new, 7 × 9 and 9 × 9.

What it is good for

- Each 9s fact written after the 10s fact it comes from.
- The 9s mixed in both orders, such as 9 × 7 and 7 × 9.
- The missing number, such as 9 × □ = 63.

How to use it

1. On the first page, your child writes the 10s fact, then takes one group away.
2. Check with the patterns: for 9 × 7, the tens digit is 6, and 6 + 3 is 9.
3. The finger trick works for 9 × 1 to 9 × 10, counting from the left thumb.
4. Start untimed, and keep it to a few minutes.
5. Check with the answer key. Each red number sits where your child writes it.

> **Try saying:** “Ten 7s is 70. Take one 7 away. What is left?”

Tip: In the finger trick, only the standing fingers count, never the folded one.