


Times Tables Challenge 2017



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Why learn times tables?

Knowing the Times Tables inside out is essential for moving on easily to most other things in mathematics including division, fractions, decimals, percentages and algebra. Children who know their times table facts will be able to answer questions more quickly and be able to focus on using other maths strategies in more complex problems rather than being slowed down by the multiplication. Knowing times tables can also increase confidence levels as this part of the question becomes easy.

Children can learn the tables in many different ways.

New Curriculum expectations....

Year 1 - Counting in 2 5 and 10.

Year 2 - 2, 3, 4, 5 and 10 times tables

Year 3 - 2, 3, 4, 5, 6, 8 and 10 times tables

Year 4 - All times tables (up to 12x12)

Year 5 - All times tables (rapid recall)

Year 6 - All times tables (rapid recall)

Multiplication Facts are easiest to learn when..

- You practise them often! Persevere!
- You find patterns/tricks
- You chant them.
- You find ways of remembering them

All children learn differently, but there are many different ways to teach children their times tables.

- Visual learners - seeing and reading
- Auditory learners - listening and speaking
- Kinaesthetic learners - touching and doing!

What are the Methods for Learning Tables?

- Stick to one times table at a time to minimise confusion
- Start with chanting and writing them out slowly in order
- Then move on to completing the answers quickly in order - on paper or verbally with your child
- Finally, move on to completing the answers in any order

- Keep reminding your child that 3×4 is the same as 4×3 - this effectively halves the number of tables facts

- Talk about the numbers are you encounter them " $5 \times 8 = 40$ that's mummy's age" , " $3 \times 6 = 18$ that's our house number" . . . *this makes more memory hooks*

When you're trying to speed up recalling tables introduce some games.

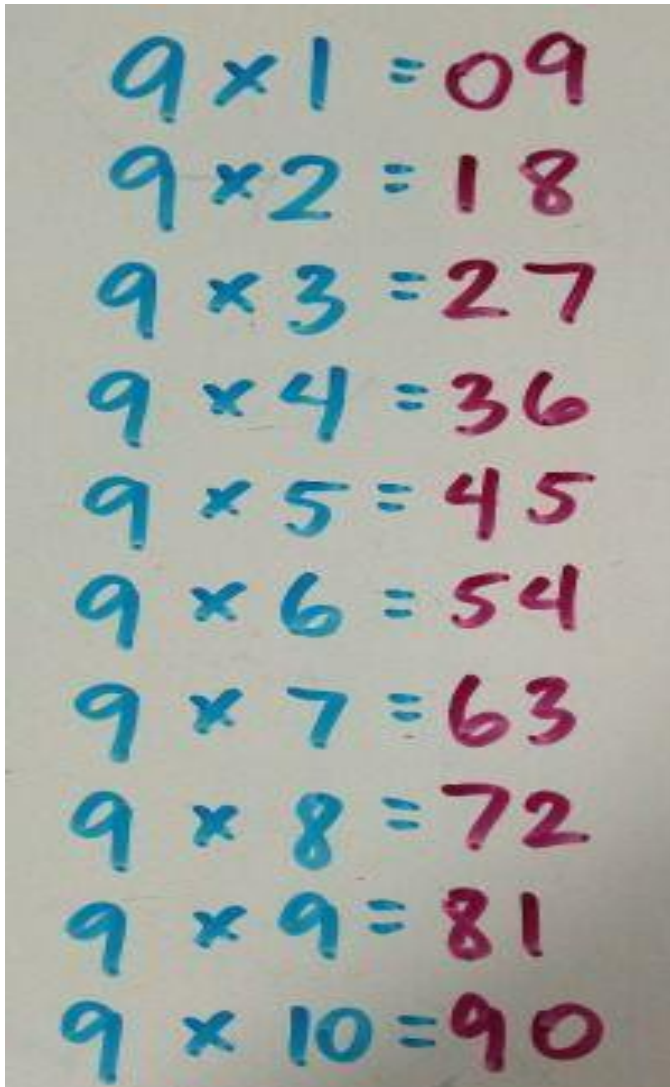
3, 7
and
9s

Click here for video clip [Phone tricks](#)

9 times tables finger trick


Click here for video [9 times tables](#)



9 times table patterns

A photograph of a piece of paper with the 9 times table written in blue and red ink. The numbers 1 through 10 are written in blue, and the products are written in red. The equations are: 9 x 1 = 09, 9 x 2 = 18, 9 x 3 = 27, 9 x 4 = 36, 9 x 5 = 45, 9 x 6 = 54, 9 x 7 = 63, 9 x 8 = 72, 9 x 9 = 81, and 9 x 10 = 90.

| | | | | |
|---|---|----|---|----|
| 9 | x | 1 | = | 09 |
| 9 | x | 2 | = | 18 |
| 9 | x | 3 | = | 27 |
| 9 | x | 4 | = | 36 |
| 9 | x | 5 | = | 45 |
| 9 | x | 6 | = | 54 |
| 9 | x | 7 | = | 63 |
| 9 | x | 8 | = | 72 |
| 9 | x | 9 | = | 81 |
| 9 | x | 10 | = | 90 |

Multiplication hints and tricks

| Facts | Strategy | Example |
|-------|--|--|
| 1 | Any number times 1 equals the other number | $1 \times 3 = 3$ |
| 2 | Double the number | $2 \times 2 = 4$ |
| 3 | Use your phone keypad |  |
| 4 | Double it then double the answer | $4 \times 7 = 28$ $7 + 7 = 14,$ $14 + 14 = 28$ |
| 5 | Count by 5's | $3 \times 5 =$ $5 + 5 + 5 = 15$ |

| | | |
|----|---|--|
| 6 | If multiplied by an even number it will end in the same digit. The number in the 10s column will be half the number in the ones column. | $6 \times 4 = 24$ |
| 7 | Use the phone key pad |  |
| 8 | Double, double and double again | $8 \times 9 =$ $9+9 = 18 \quad 18 + 18 = 36 \quad 36 + 36 = 72$ |
| 9 | Use the hand trick | $2 \times 9 = 18$  <ul style="list-style-type: none"> - Each finger to the left of the curled finger represents 10. - Say 10, - Each finger to the right of the curled finger represents one. - Count 1, 2, 3, 4, 5, 6, 7, 8. (Or 11, 12, 13, 14, 15, 16, 17, 18) - $2 \times 9 = 18$ |
| 10 | Count by 10s | $10 \times 3 =$ $10 + 10 + 10 = 30$ |
| 11 | For 1 to 9 repeat the other factor for the answer | $3 \times 11 = 33$ |
| 12 | Use repeated addition | $3 \times 12 =$ $12 + 12 + 12 = 36$ |

Times Tables Challenge

On Sunday 26th February we are starting a whole school 'Times Tables Challenge' to encourage the children to learn their times tables. Children will have four weeks to practise and learn their times tables.

-The 22nd March - final assessment.

-Children who make good progress will enter our Maths Hall of Fame.

Ultimate Times Table Challenge

Name:

Number Correct:

Time Taken:

Previous Score:



| | | | | | |
|-----------------|------------------|------------------|-----------------|------------------|------------------|
| $1 \times 1 =$ | $11 \times 12 =$ | $10 \times 12 =$ | $3 \times 5 =$ | $1 \times 9 =$ | $7 \times 1 =$ |
| $1 \times 5 =$ | $1 \times 2 =$ | $2 \times 5 =$ | $4 \times 1 =$ | $2 \times 9 =$ | $4 \times 5 =$ |
| $3 \times 1 =$ | $3 \times 3 =$ | $9 \times 12 =$ | $3 \times 7 =$ | $6 \times 1 =$ | $3 \times 11 =$ |
| $1 \times 4 =$ | $4 \times 3 =$ | $1 \times 3 =$ | $11 \times 7 =$ | $4 \times 9 =$ | $3 \times 9 =$ |
| $5 \times 1 =$ | $8 \times 9 =$ | $5 \times 5 =$ | $8 \times 12 =$ | $2 \times 7 =$ | $5 \times 11 =$ |
| $10 \times 3 =$ | $6 \times 3 =$ | $1 \times 11 =$ | $2 \times 11 =$ | $11 \times 11 =$ | $1 \times 7 =$ |
| $5 \times 3 =$ | $9 \times 7 =$ | $7 \times 5 =$ | $7 \times 7 =$ | $7 \times 9 =$ | $10 \times 5 =$ |
| $8 \times 1 =$ | $10 \times 1 =$ | $5 \times 7 =$ | $6 \times 5 =$ | $3 \times 8 =$ | $8 \times 11 =$ |
| $9 \times 1 =$ | $9 \times 3 =$ | $3 \times 10 =$ | $9 \times 9 =$ | $4 \times 7 =$ | $8 \times 7 =$ |
| $11 \times 9 =$ | $6 \times 8 =$ | $6 \times 11 =$ | $10 \times 7 =$ | $10 \times 9 =$ | $10 \times 11 =$ |
| $11 \times 1 =$ | $11 \times 3 =$ | $11 \times 5 =$ | $2 \times 3 =$ | $4 \times 11 =$ | $8 \times 5 =$ |
| $12 \times 5 =$ | $12 \times 12 =$ | $5 \times 4 =$ | $12 \times 7 =$ | $12 \times 9 =$ | $12 \times 11 =$ |
| $2 \times 1 =$ | $8 \times 3 =$ | $6 \times 7 =$ | $1 \times 12 =$ | $1 \times 10 =$ | $7 \times 3 =$ |
| $2 \times 2 =$ | $9 \times 11 =$ | $2 \times 6 =$ | $2 \times 8 =$ | $2 \times 12 =$ | $7 \times 6 =$ |
| $11 \times 4 =$ | $3 \times 4 =$ | $5 \times 9 =$ | $12 \times 2 =$ | $2 \times 4 =$ | $1 \times 6 =$ |
| $4 \times 2 =$ | $4 \times 4 =$ | $4 \times 6 =$ | $6 \times 9 =$ | $4 \times 10 =$ | $9 \times 5 =$ |



A list of useful websites to practice your times tables –

<http://www.multiplication.com/games/all-games>

<http://www.topmarks.co.uk/maths-games/hit-the-button>

<http://www.topmarks.co.uk/Flash.aspx?b=maths/multiplication>

[http://www.mad4maths.com/4 x multiplication table math game/](http://www.mad4maths.com/4-x-multiplication-table-math-game/)

[http://www.mad4maths.com/multiplication table math games/](http://www.mad4maths.com/multiplication-table-math-games/)

[http://www.mathsonline.com.au/games/times tables](http://www.mathsonline.com.au/games/times-tables)

<http://www.what2learn.com/home/examgames/maths/subtraction/>

<https://www.nationwideeducation.co.uk/www/flash/bsc/bsc-flash/index.html>

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