

Times Tables

Wednesday 7th October 2026



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

- National Curriculum Times Table Expectations
- The Year 4 Multiplication Times Table Check
- The teaching approach at school
- How you can support your child at home
- Useful resources

National Curriculum Times Tables Expectations

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Count in multiples of 2, 5 and 10. Know off by heart the doubles and halves of numbers to 12.	To use multiplication and division facts for the 2, 5 and 10 times table	To use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 times tables.	All of the multiplication tables up to 12x12, including related division facts.	Revision of all multiplication and division facts for the times tables up to 12x12 and to know prime numbers up to 13.	As for Year 5 and knowledge of prime numbers to 100. To identify common factors and multiples.

Year 4 Multiplication Check

The Multiplication Tables Check (MTC) is a statutory assessment for children at the end of Year 4.

The test focuses on times table fluency, where the children will answer questions on the times tables up to 12 x 12 accurately and at speed.

How the check is carried out

The test is fully digital, and the children will be given the choice of a laptop or Ipad.

The check takes less than 5 minutes for each child.

The children will have 6 seconds from the time the question appears to input their answer.

There will be a total of 25 questions with a 3 second pause in-between each question.

Each child will be **randomly assigned** a set of questions

There will only be **multiplication** questions in the check, not division facts.

The 6, 7, 8, 9 and 12 times tables are **more likely** to be asked.

Reversal of questions (e.g. 8×6 and 6×8) will not be asked in the same check.

Children will not see their individual results when they complete the check.

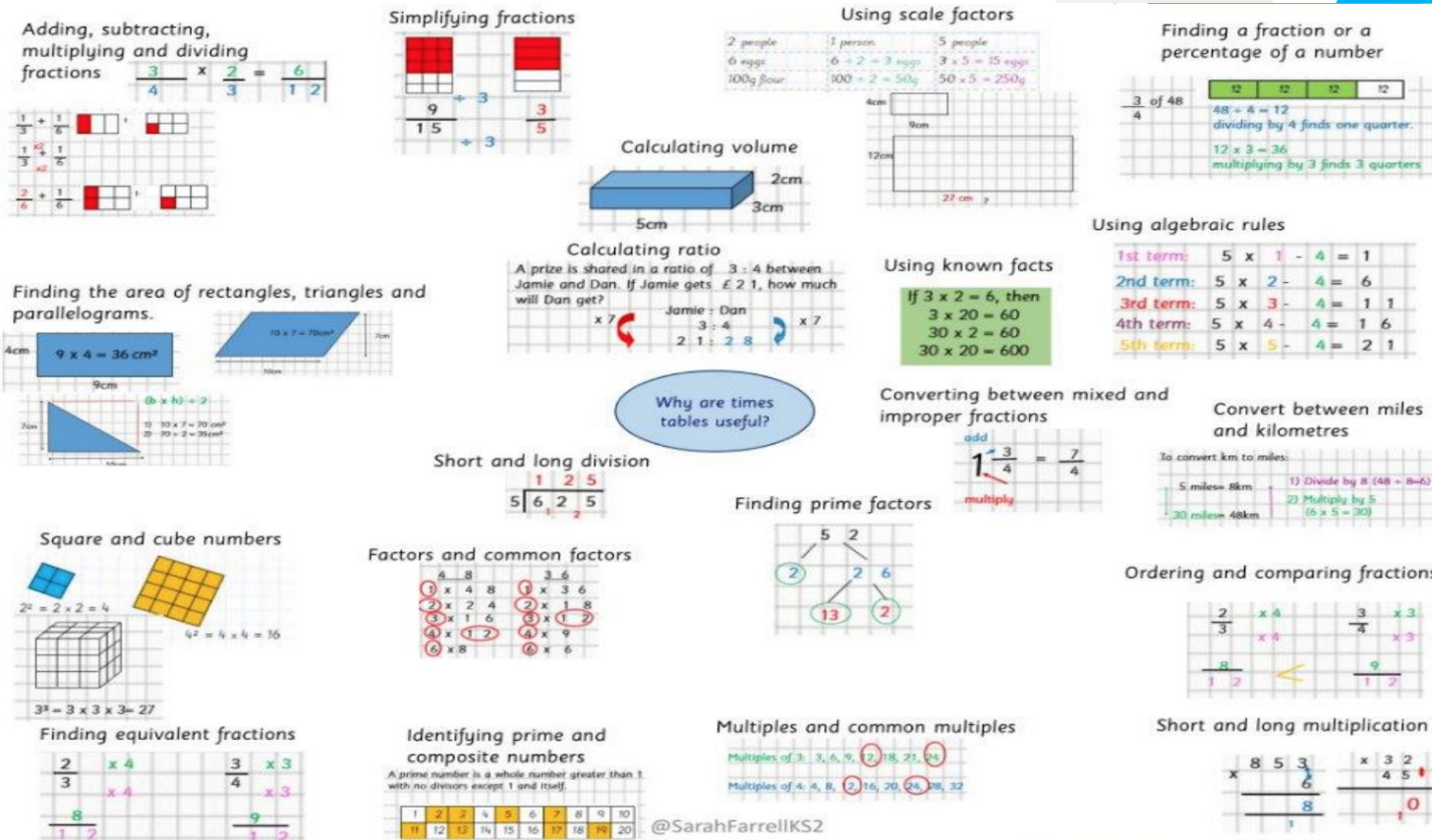
<https://www.timestables.co.uk/multiplication-tables-check/> Practice website.

Why do children need to know times tables?

Times tables knowledge underpins much of the primary Maths curriculum.

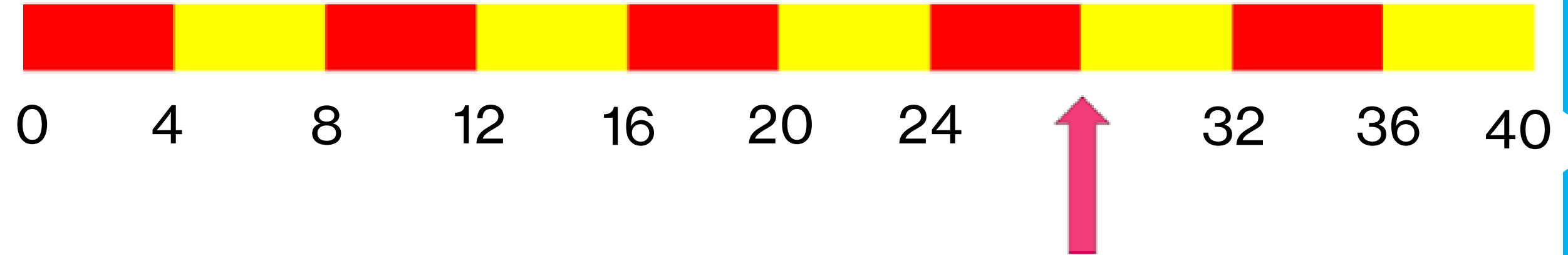
Mastering times tables and having the ability to quickly recall known facts is a necessary step to approaching more challenging topics such as:

- Long multiplication
- Long division
- Fractions
- Decimals
- Perimeter
- Area
- Ratio & Proportion
- Problem Solving



How do we teach times tables?

Counting Stick

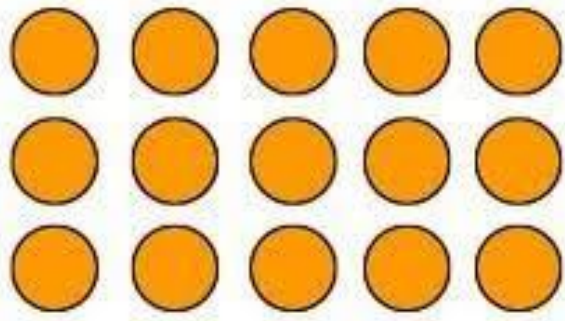


A counting stick allows the children to identify patterns in the times tables.

We will go forwards and backwards along the counting stick.

Arrays

Arrays are a pictorial representation to help children understand times tables.



For example, a child may be given the following word problem: I have 5 bags. There are 3 pennies in each bag. ...

Shown are 5 columns of 3 with 15 in total

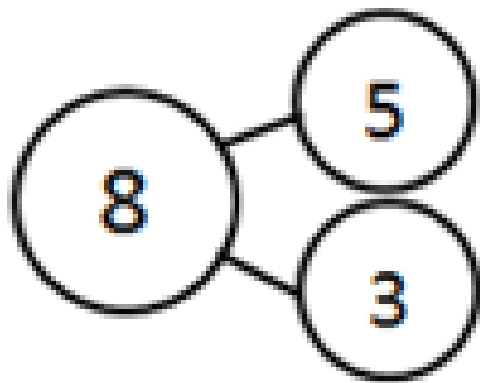
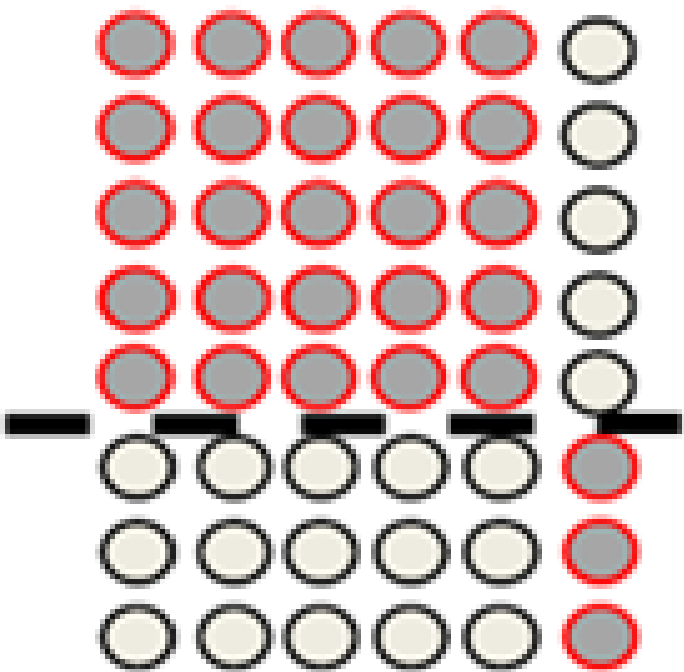
$$5 \times 3 = 15$$

We start by encouraging the children to use concrete manipulatives before drawing pictorial representations of arrays.

This allows the children to visualise the times tables before progressing further towards memorising them.

Base Facts 'Think 5'

$$8 \times 6 =$$



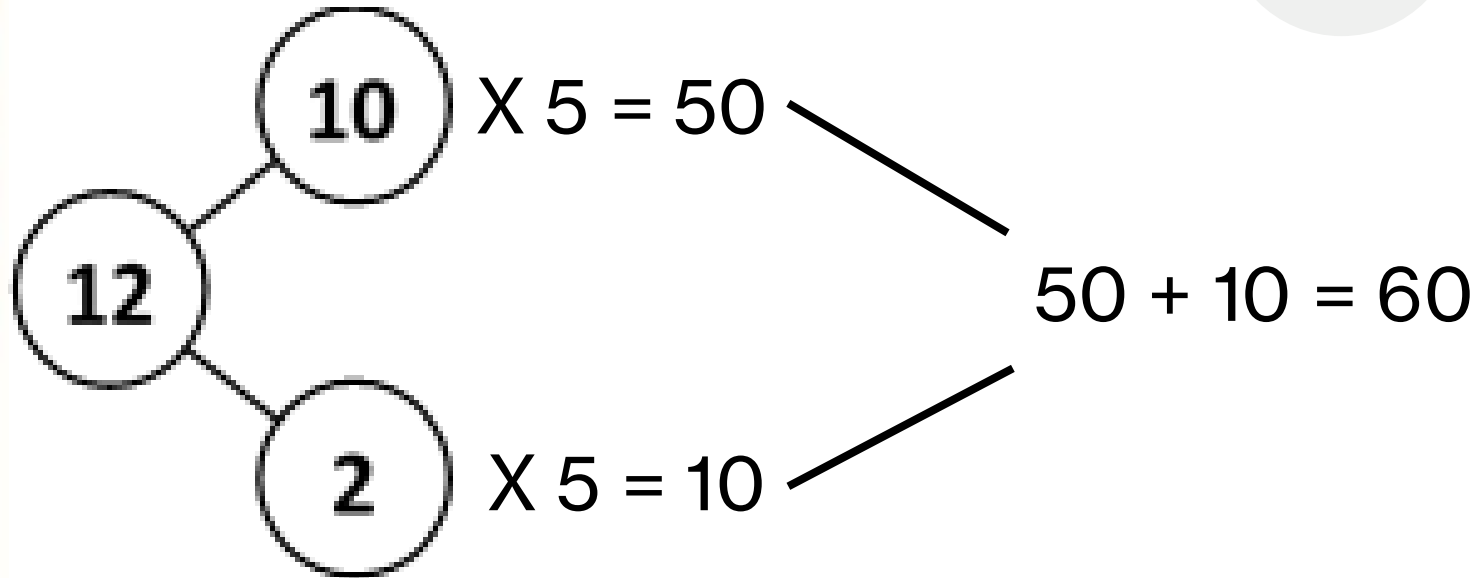
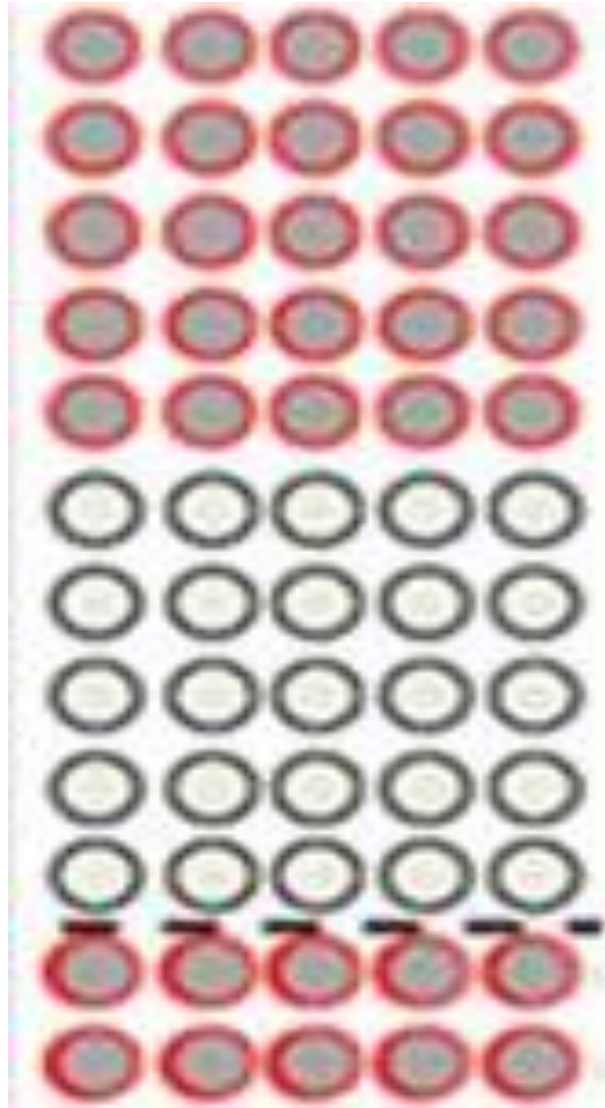
$$5 \times 6 = 30$$

$$3 \times 6 = 18$$

$$30 + 18 = 48$$

I can use my 5 fact to solve 8×6 .
I know 5×6 is 30. 3×6 is 18.
So 8×6 is 48.

Base Facts 'Think 10'



Pattern Spotting

Being able to spot patterns in numbers is an important skill and can also help with learning tables.

1	2	3	4	5	6	7	8	9	10
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Colour the multiples of 4
on a 100 square.
What pattern do you
notice?

Patterns with Multiples of 10

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
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Multiples of
10 always
end in 0.

Patterns with Multiples of 2

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
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Multiples of 2
are always
even numbers.

Patterns with Multiples of 5

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
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51	52	53	54	55	56	57	58	59	60
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Multiples of 5
always end in a
5 or a 0.

Patterns with Multiples of 3

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
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Multiples of 3
always add
together to
make a multiple
of 3.

e.g. $9 \times 3 = 27$

$$2 + 7 = 9$$

$$12 \times 3 = 36$$

$$3 + 6 = 9$$

Patterns with Multiples of 9

$$1 \times 9 = 9$$

$$2 \times 9 = 18$$

$$3 \times 9 = 27$$

$$4 \times 9 = 36$$

$$5 \times 9 = 45$$

$$6 \times 9 = 54$$

$$7 \times 9 = 63$$

$$8 \times 9 = 72$$

$$9 \times 9 = 81$$

$$10 \times 9 = 90$$

$$11 \times 9 = 99$$

$$12 \times 9 = 108$$

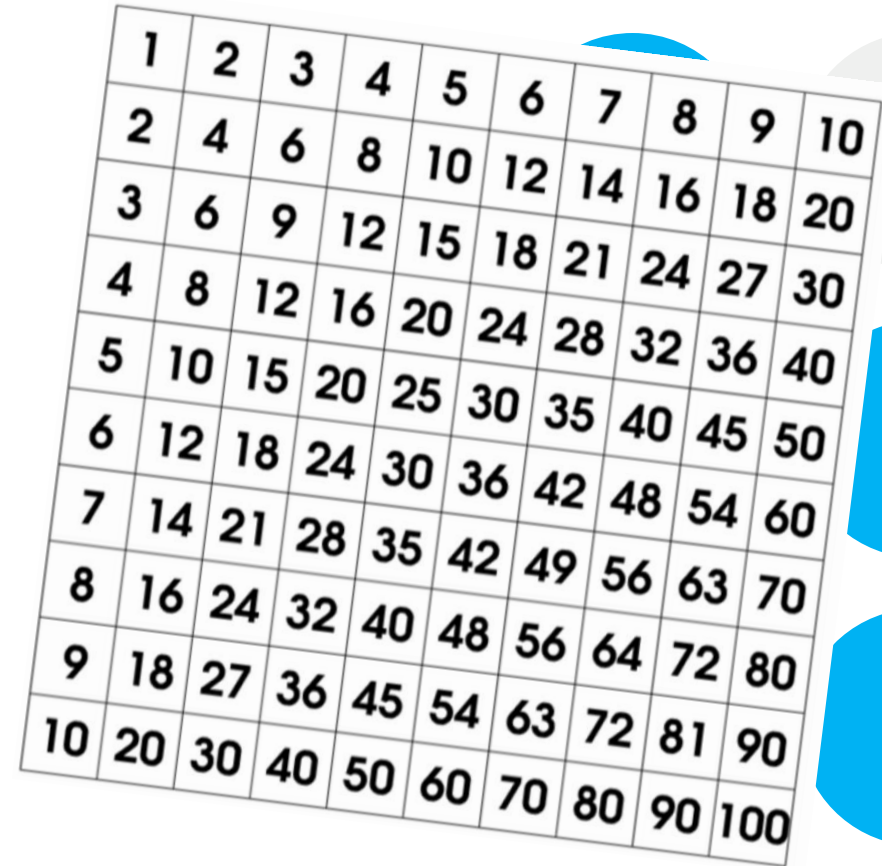
Multiples of 9 have a digital root of 9.

e.g. $2 \times 9 = 18$ $1 + 8 = 9$

$$9 \times 8 = 72 \quad 7 + 2 = 9$$

Other Times Table Patterns

- 4x table is double the 2x table
- 6x table is double the 3x table
- 8x table is double the 4x table
- 12x table is double the 6x table
- 11x table have the tens and ones digit increase by 1 each time



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

Investigating other Patterns

As the children grow in confidence with the times table facts, they are extended further to investigate further patterns within the times tables.

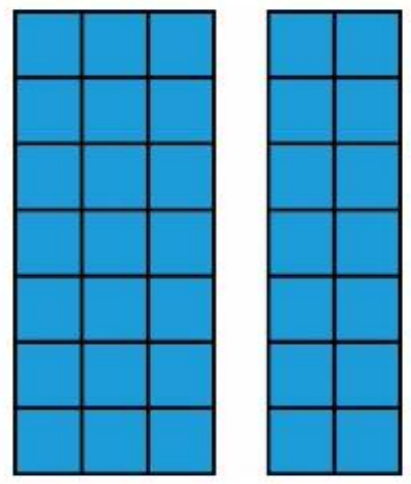
- Odd number x odd number = odd number (E.g. $3 \times 5 = 15$)
- Even number x even number = even number (E.g. $4 \times 6 = 24$)
- Odd number x even number = even number (E.g. $3 \times 6 = 18$)



Year 3.4 Times Table Questions

product

1 



This shows
 $\square \times \square + \square \times \square = \square$

2 

- $\square \times 6 = 42$
- $\square \times 6 = 66$
- $\square \times 6 = 78$

3 

$$24 = \square \times \square$$

What pairs of numbers could these be?
How many ways can you complete the boxes?

times

double

multiple

multiplied

4 

True or false:

The 9 times table only has odd numbers in the answers.
Explain how you know.

5 

The number 48 is divisible by 3.
Explain how you know.

6 

How could you work these facts out if you didn't know them:

$$\begin{array}{l} 9 \times 7 \\ 12 \times 6 \end{array}$$

factor

groups of

divide

The 99 Club



11 Club - 11 questions involving doubling numbers from one to ten

22 Club - 22 questions involving repeated addition of numbers from one to ten

33 Club - 33 questions introducing the 2x, 3x, 5x and 10x tables

44 Club - 44 questions adding in the 1x, 4x and 6x tables

55 Club - 55 questions adding in the 7x and 8x tables

66 Club - 66 questions adding in the 9x, 11x and 12x tables

77 Club - 77 questions consisting of inverse division facts

88 Club - 88 questions of mixed multiplication and division facts

99 Club - 99 questions of mixed multiplication and division facts

Elite Club - Over 100 questions, including square numbers, square roots and cubed numbers

Times Tables at Home

- Start with the easiest times tables and find a pattern
 - Recite a select times table for a couple of minutes each day. Start with only a few of that times table at a time – they could practice them by chanting, using silly voices, whispering, singing, marching
 - Use number squares to make visual patterns
 - Play times table games, e.g. bingo, snap, pairs and dice games. Start by giving them a copy of the times tables to refer to and when they are ready for the challenge, they can try the game without
- 



Times Tables Online

Doodle Learning

<https://doodlelearning.com/>

Times Tables

www.timestables.co.uk

Top Marks, e.g. Hit the Button

<https://www.topmarks.co.uk/maths-games/7-11-years/times-tables>

Primary Homework Help

<http://www.primaryhomeworkhelp.co.uk/maths/timestable/interactive.htm>



Woodlands Junior

<http://www.woodlands.kent.sch.uk/>

Ictgames

<http://www.ictgames.com/>

Sumdog (free to join)

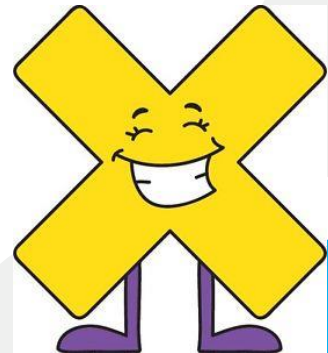
www.sumdog.com

BBC Bitesize maths

www.bbc.com/bitesize/subjects/zjxhfg8

Maths is Fun

<https://www.mathsisfun.com/timestable.html>



Little and often is best.

When your child has mastered a times table it is important to keep practising.

Don't let them get rusty!

