



Year 4 Multiplication Check

Parent Information PowerPoint

03.02.2023 (face-to-face) and 07.02.2023 (Zoom)



This is a national statutory multiplication tables check.

The multiplication tables check takes place in June. We have a three week period to administer the check (between Monday 5th June and Friday 16th June).

The purpose of the check is to determine whether children can fluently recall their times tables up to 12, which is essential for future success in mathematics.



What is the check?

The MTC is an on-screen check consisting of **25 times tables questions**.

Children will complete 3 practice questions before taking the actual check.

They will then have **6 seconds to answer each question**.

On average, the check should take no longer than 5 minutes to complete.

*Original
guidance
from 2018*

*Guidance
still being
used for
current
academic
year*

5.2.1 Table 1 – Multiplication table limits in the MTC

Multiplication Table	Minimum number of items in each form	Maximum number of items in each form
1	Not applicable	Not applicable
2	0	2
3	1	3
4	1	3
5	1	3
6	2	4
7	2	4
8	2	4
9	2	4
10	0	2
11	1	3
12	2	4

Table 1 shows the upper and lower limits for the number of items from each multiplication table that can be included in each check form.

There is an emphasis on the 6, 7, 8, 9 and 12 multiplication tables because these have been determined to be the most difficult multiplication tables.

Useful resources and tips



SINGLE PLAYER

GARAGE
Self Set

JAMMING
You choose

STUDIO
12 x 12

SOUNDCHECK
25 questions

MULTIPLAYER

FESTIVAL
12 x 12

ARENA
Self Set

ROCKSLAM
12 x 12

SOUNDCHECK ⓘ

25 Questions
6 Seconds per question

Play solo

5 per correct answer

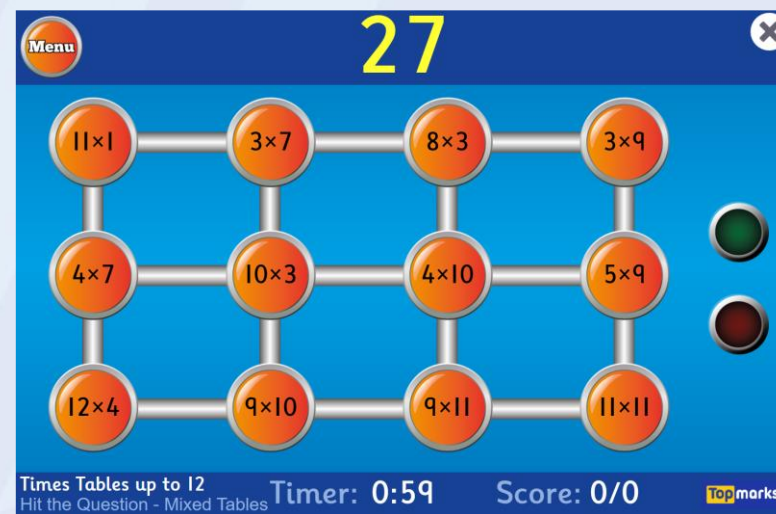
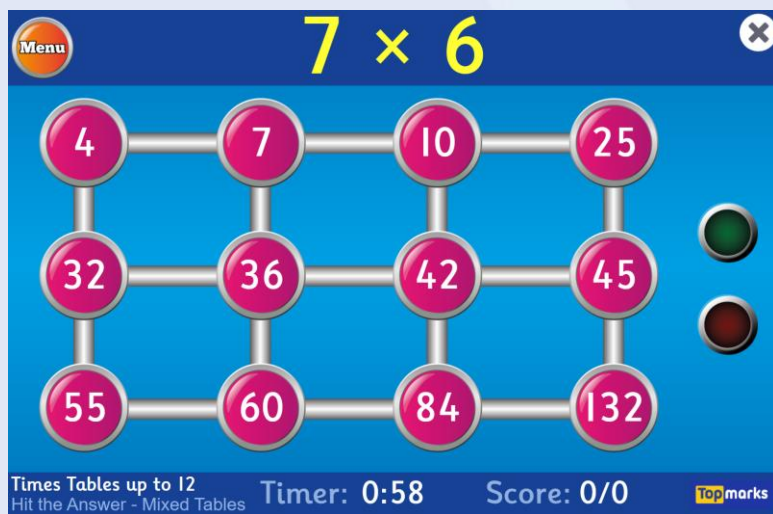
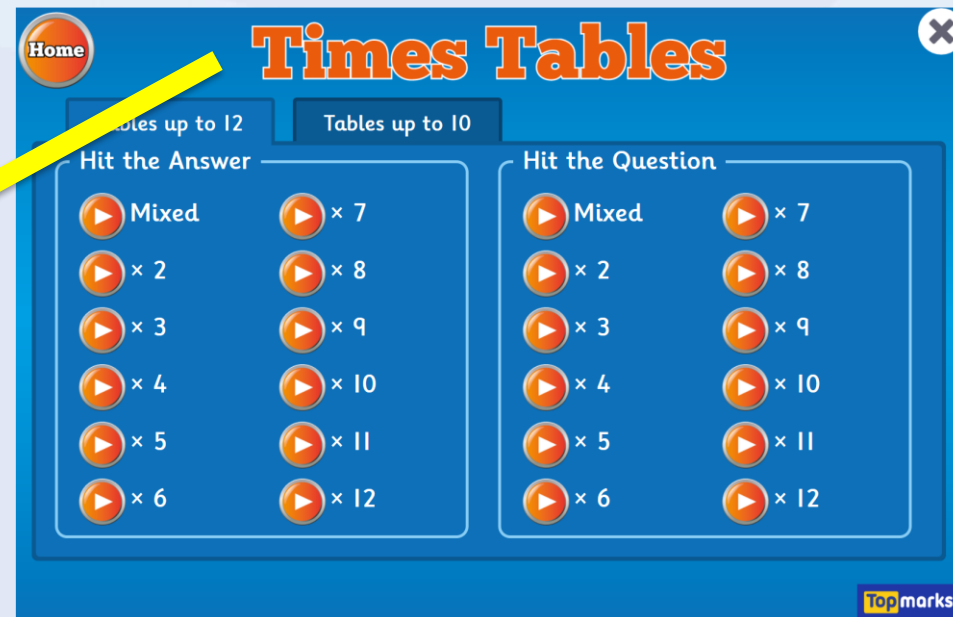
PLAY



New Sent Completed

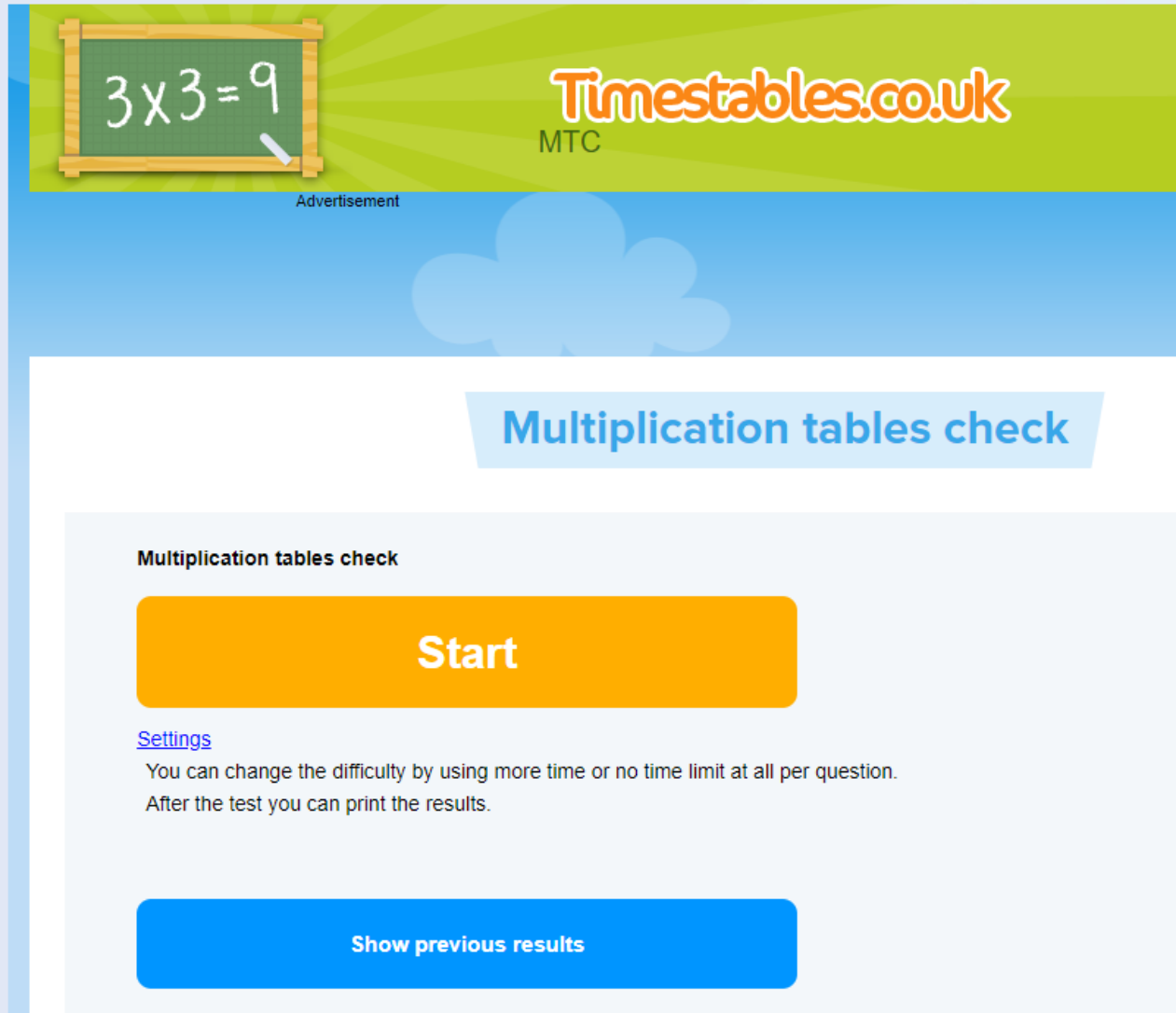
When	From	Score to beat	Play All
Yesterday			Play
3 days ago	CHALLENGE FROM OTHERS		Play
3 days ago			Play
3 days ago			Play

Useful resources and tips





Useful resources and tips



Advertisement

Timestables.co.uk
MTC

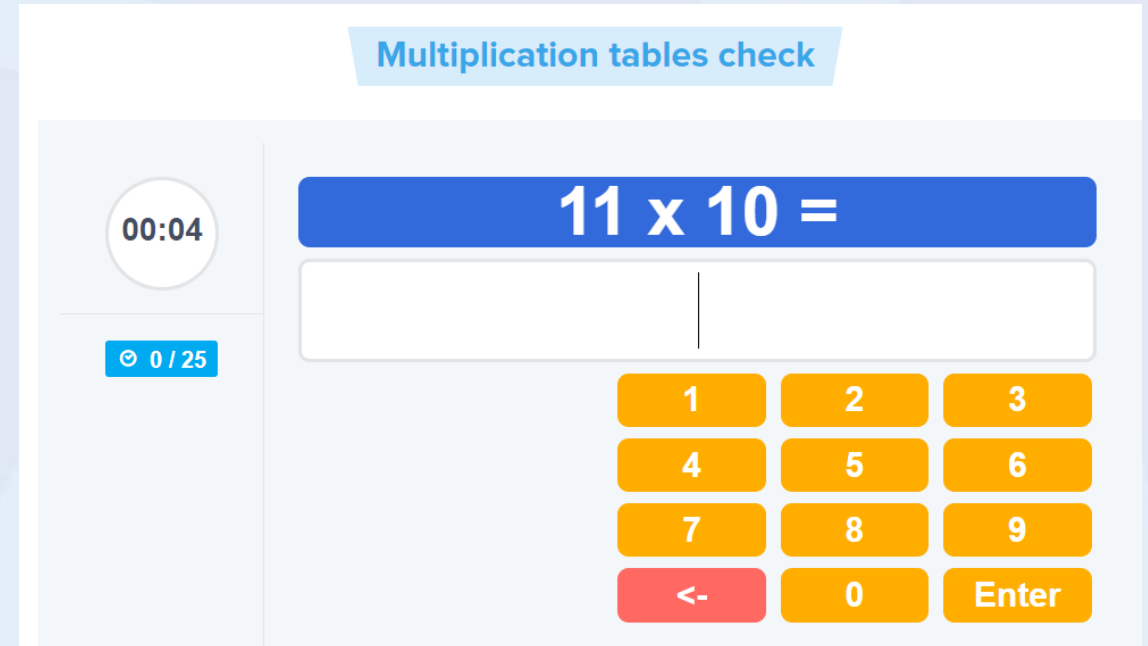
Multiplication tables check

Start

[Settings](#)

You can change the difficulty by using more time or no time limit at all per question.
After the test you can print the results.

Show previous results



Multiplication tables check

00:04

0 / 25

11 x 10 =

1 2 3
4 5 6
7 8 9
<- 0 Enter

This resource is also
available on the school
website.

Multiplication Fact Links

What do I already know to work out what I may not know?....

x10 facts – digits move up the place value grid

Place Value

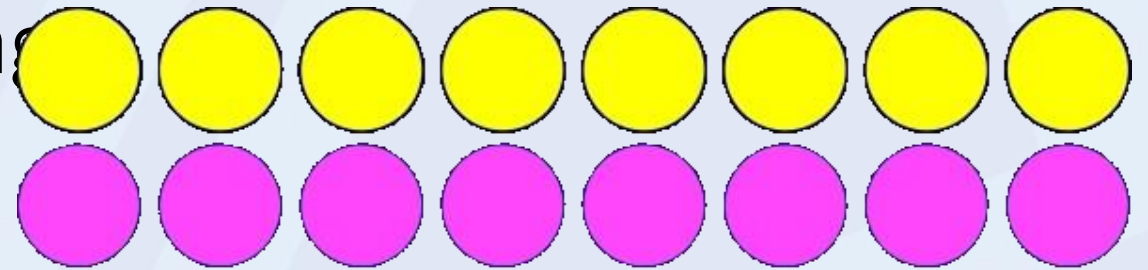
M	Hth	Tth	Th	H	T	O	t	h	th
Millions 1 000 000	Hundred Thousands 100 000	Ten Thousands 10 000	Thousands 1000	Hundreds 100	Tens 10	Ones 1	tenths 0.1	hundredths 0.01	thousandths 0.001

twinkl.co.uk

Multiplication Fact Links

What do I already know to work out what I may not know?.....

x2 facts – the same as doubling



$$8 \times 2 = 8 + 8$$



Multiplication Fact Links

What do I already know to work out what I may not know?.....

x4 facts – the same x2 then x2 again (doubling twice)

$$8 \times 4 = (8 \times 2) + (8 \times 2)$$

$$8 + 8 + 8 + 8$$



Multiplication Fact Links

What do I already know to work out what I may not know?.....

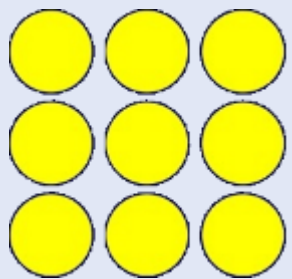
x8 facts – the same x4 then x2 (double x4)

64

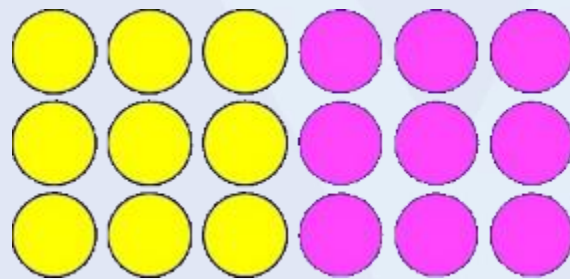
Multiplication Fact Links

What do I already know to work out what I may not know?....

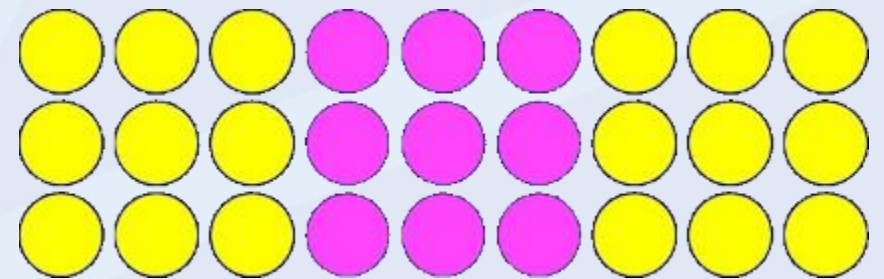
If you know the **x3 tables**, you can use these to help with learning your **x6 tables** and **x9 tables**.



3x3



3x6

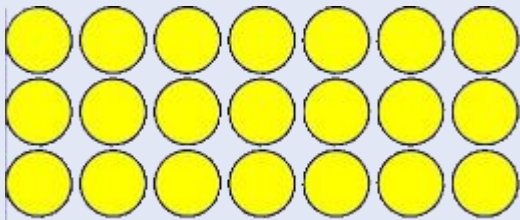


3x9

Multiplication Fact Links

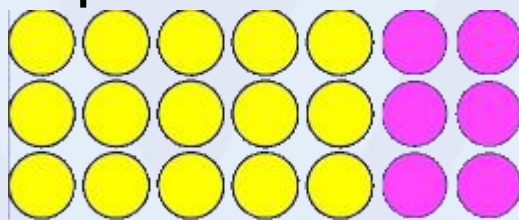
What do I already know to work out what I may not know?.....

My x7 tables could we worked out using other known multiplication facts.



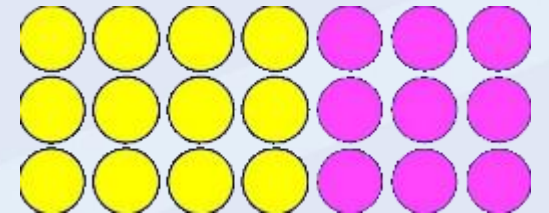
$$7 \times 7$$

49



$$(7 \times 5) + (7 \times 2)$$

$$35 + 14 = \underline{49}$$



$$(7 \times 4) + (7 \times 3)$$

$$28 + 21 = \underline{49}$$

Multiplication Fact Links

Adults in school help children see the links between multiplication facts (*including commutativity*).

Children need to spend time recalling their multiplication facts up to 12×12 .



Additional Information

There is no 'pass' rate or threshold.

The guidance (published in 2021) states that there is no expected pass rate or threshold. This means that, unlike the KS1 Phonics Screening check, children will not be expected to re-sit the check if they do not meet a set threshold in this KS2 Times Tables Test.

Additional Information

- National and Local Authority results will be published.
- Results of the MTC will also be available to OfSTED.

1 x $1 \times 1 = 1$ $1 \times 2 = 2$ $1 \times 3 = 3$ $1 \times 4 = 4$ $1 \times 5 = 5$ $1 \times 6 = 6$ $1 \times 7 = 7$ $1 \times 8 = 8$ $1 \times 9 = 9$ $1 \times 10 = 10$ $1 \times 11 = 11$ $1 \times 12 = 12$ www.class-templates.com	2 x $2 \times 1 = 2$ $2 \times 2 = 4$ $2 \times 3 = 6$ $2 \times 4 = 8$ $2 \times 5 = 10$ $2 \times 6 = 12$ $2 \times 7 = 14$ $2 \times 8 = 16$ $2 \times 9 = 18$ $2 \times 10 = 20$ $2 \times 11 = 22$ $2 \times 12 = 24$ www.class-templates.com	3 x $3 \times 1 = 3$ $3 \times 2 = 6$ $3 \times 3 = 9$ $3 \times 4 = 12$ $3 \times 5 = 15$ $3 \times 6 = 18$ $3 \times 7 = 21$ $3 \times 8 = 24$ $3 \times 9 = 27$ $3 \times 10 = 30$ $3 \times 11 = 33$ $3 \times 12 = 36$ www.class-templates.com	4 x $4 \times 1 = 4$ $4 \times 2 = 8$ $4 \times 3 = 12$ $4 \times 4 = 16$ $4 \times 5 = 20$ $4 \times 6 = 24$ $4 \times 7 = 28$ $4 \times 8 = 32$ $4 \times 9 = 36$ $4 \times 10 = 40$ $4 \times 11 = 44$ $4 \times 12 = 48$ www.class-templates.com	5 x $5 \times 1 = 5$ $5 \times 2 = 10$ $5 \times 3 = 15$ $5 \times 4 = 20$ $5 \times 5 = 25$ $5 \times 6 = 30$ $5 \times 7 = 35$ $5 \times 8 = 40$ $5 \times 9 = 45$ $5 \times 10 = 50$ $5 \times 11 = 55$ $5 \times 12 = 60$ www.class-templates.com	6 x $6 \times 1 = 6$ $6 \times 2 = 12$ $6 \times 3 = 18$ $6 \times 4 = 24$ $6 \times 5 = 30$ $6 \times 6 = 36$ $6 \times 7 = 42$ $6 \times 8 = 48$ $6 \times 9 = 54$ $6 \times 10 = 60$ $6 \times 11 = 66$ $6 \times 12 = 72$ www.class-templates.com
7 x $7 \times 1 = 7$ $7 \times 2 = 14$ $7 \times 3 = 21$ $7 \times 4 = 28$ $7 \times 5 = 35$ $7 \times 6 = 42$ $7 \times 7 = 49$ $7 \times 8 = 56$ $7 \times 9 = 63$ $7 \times 10 = 70$ $7 \times 11 = 77$ $7 \times 12 = 84$ www.class-templates.com	8 x $8 \times 1 = 8$ $8 \times 2 = 16$ $8 \times 3 = 24$ $8 \times 4 = 32$ $8 \times 5 = 40$ $8 \times 6 = 48$ $8 \times 7 = 56$ $8 \times 8 = 64$ $8 \times 9 = 72$ $8 \times 10 = 80$ $8 \times 11 = 88$ $8 \times 12 = 96$ www.class-templates.com	9 x $9 \times 1 = 9$ $9 \times 2 = 18$ $9 \times 3 = 27$ $9 \times 4 = 36$ $9 \times 5 = 45$ $9 \times 6 = 54$ $9 \times 7 = 63$ $9 \times 8 = 72$ $9 \times 9 = 81$ $9 \times 10 = 90$ $9 \times 11 = 99$ $9 \times 12 = 108$ www.class-templates.com	10 x $10 \times 1 = 10$ $10 \times 2 = 20$ $10 \times 3 = 30$ $10 \times 4 = 40$ $10 \times 5 = 50$ $10 \times 6 = 60$ $10 \times 7 = 70$ $10 \times 8 = 80$ $10 \times 9 = 90$ $10 \times 10 = 100$ $10 \times 11 = 110$ $10 \times 12 = 120$ www.class-templates.com	11 x $11 \times 1 = 11$ $11 \times 2 = 22$ $11 \times 3 = 33$ $11 \times 4 = 44$ $11 \times 5 = 55$ $11 \times 6 = 66$ $11 \times 7 = 77$ $11 \times 8 = 88$ $11 \times 9 = 99$ $11 \times 10 = 110$ $11 \times 11 = 121$ $11 \times 12 = 132$ www.class-templates.com	12 x $12 \times 1 = 12$ $12 \times 2 = 24$ $12 \times 3 = 36$ $12 \times 4 = 48$ $12 \times 5 = 60$ $12 \times 6 = 72$ $12 \times 7 = 84$ $12 \times 8 = 96$ $12 \times 9 = 108$ $12 \times 10 = 120$ $12 \times 11 = 132$ $12 \times 12 = 144$ www.class-templates.com

TIMES TABLES GRID

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144



Year 4 Multiplication Check

