

Multiplication Tables Check

Monday, 8th June 2020 to Friday, 26th June 2020



MTC
Parents Information Meeting
15th January 2020

Purpose of the Check

- Primary-school children are expected to know all their times tables up to 12×12 . Under the current National Curriculum, children are supposed to know their times tables by the end of Y4
- All Y4 children will have their multiplication skills formally tested this year in June 2020 (Last year was a pilot year)
- The purpose of the 'check' is to determine whether year 4 pupils can fluently recall their multiplication tables

What does the check cover?

- The check tests knowledge of multiplication tables between 2 and 12.
- There'll be an emphasis on the 6, 7, 8, 9 and 12 tables because these are considered to be the most difficult.
- All year 4 pupils will be required to take the check (schools can withdraw pupils if they can't access the assessment)
- Children answer multiplication questions against clock on a computer or tablet, with 6 seconds to answer each one-mark question in a series of 25
- Check will be available over a 3 week window in June each year. Here are the minimum and maximum numbers of questions that'll be included in the check from each multiplication table:

Why learn times-tables?

Progression through primary ...

Times-tables knowledge is vital for quick mental calculations and problem solving, as well as for many of the topics children learn in KS2 (division, fractions, percentages).

- Year 1 children are taught counting up in 2s, 5s and 10s
- Year 2 children are introduced to multiplication, division facts and repeated addition for numbers 2, 5 and 10
- Year 3 is a crucial year for times tables learning. Children learn multiplication facts for the 3, 4 and 8 times tables
- Year 4 is a 'completing' year: all multiplication facts to 12×12
- Children are expected to be really confident in all their times tables (up to the 12 times table) by the start of year 5

Here are the minimum and maximum numbers of questions that'll be included in the check from each multiplication table:

Multiplication table	Minimum number of questions	Maximum number of questions
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

Use of the Multiplication Tables Check (MTC) data -GDPR

From this year the check is statutory, the data will be used in the following different ways:

- In school to help focus support where needed
- OfSTED and the local authority
- DfE tracking results over time
- National data published to allow schools to compare performance
- We will report results to parents (score out of 25 marks)

Resources for you

<https://blog.oxfordowl.co.uk/what-is-the-year-4-multiplication-tables-check/>

<https://www.theschoolrun.com/new-primary-school-times-tables-tests-explained>

<https://matr.org/blog/times-tables-test-parents-guide>

Online resources to use with your child

- www.ttrockstars.com – TT RockStars, great for increasing speed of recall
- <https://www.youtube.com/watch?v=9XzfQUXqiYY> – Times tables songs
- www.timestables.co.uk- A great range of activities to build knowledge, confidence & speed
- www.topmarks.co.uk – Hit the Button times tables gam
- <http://resources.woodlandsjunior.kent.sch.uk/maths/timestable/interactive.htm>
- access to a range of activities

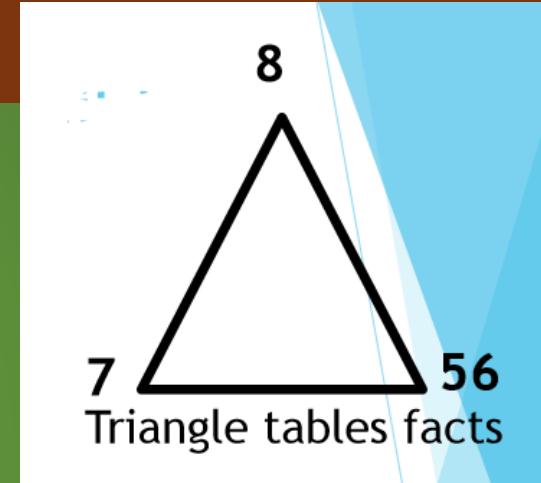
Games & tools to use with your child



Make tables with dried pasta

12 X 12 Multiplication Table

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144



Bingo

4	40	28
16	12	28
24	44	8

Games & tools to use with your child

1. Create a set of calculation cards for your times table:

Front

$$8 \times 7$$

Back

$$= 56$$

2. Use these games (in order) with your calculation cards to embed times table knowledge and build speed.

Speedy race (in order): Working in pairs, one person uses the cards in order to say the calculation on each card as quickly as possible. The other person checks the answer on the back. Swap roles when you have completed all of the cards.

Speedy race (out of order): Shuffle the cards so that they are not in order. Working in pairs, one person uses the cards in order to say the answer to the calculation on each card as quickly as possible. The other person checks the answer on the back. Swap roles when you have completed all of the cards.

Switched: Mix up the cards so that some answers are face up. Working in pairs, take turns to choose a card and say the answer to the calculation, or say the calculation if the answer is face up. If you're correct, keep the card in your pile until all cards are gone. The person with most cards wins.

Take turns: Keep the cards in order. Working in pairs, take turns to choose a card and say the answer to the calculation. If you're correct, keep the card in your pile until all cards are gone. The person with most cards wins.

Now it's your turn

- <https://mathsframe.co.uk/en/resources/resource/477>

Any Questions?