



MULTIPLICATION TABLES PARENT WORKSHOP

Friday 7th February 2020


“At the end of the day, the most overwhelming key to a child's success is the positive involvement of parents.”

- Jane D. Hull

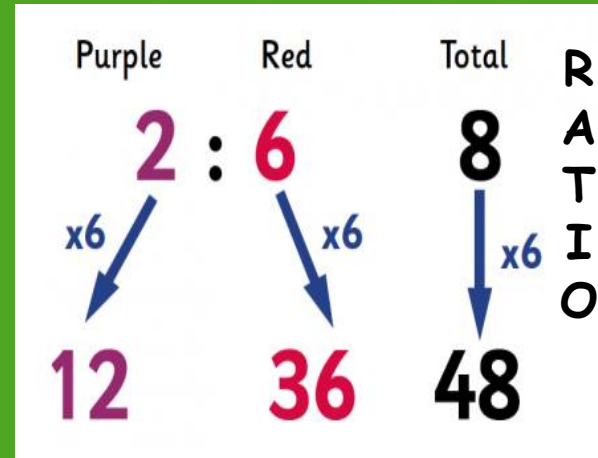
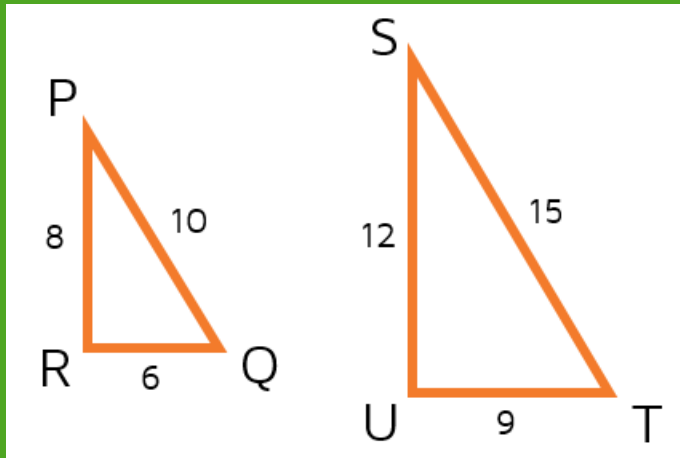
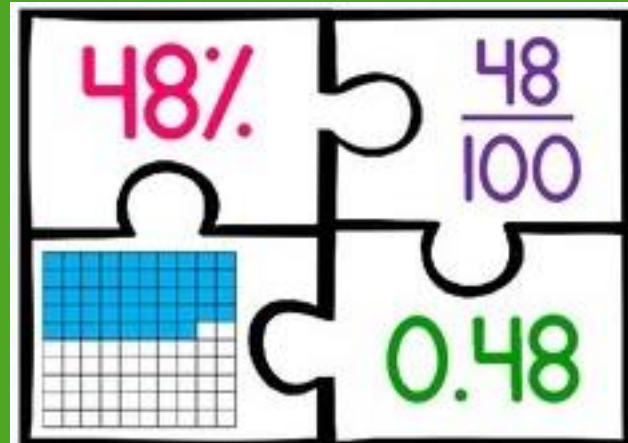
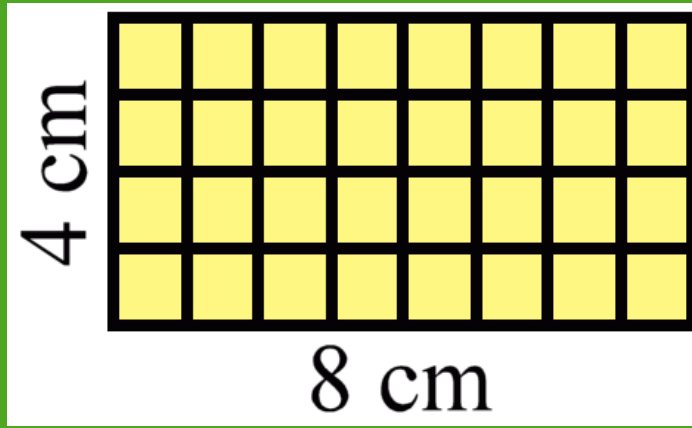
National Curriculum Expectations



Year Group	Expectation
Year 1	Count in multiples of 2, 5 and 10 . Recall and use all doubles to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2, 5 and 10 times tables including recognising odd and even numbers .
Year 3	Recall and use multiplication and division facts for the 3, 4 and 8 times tables.
Year 4	Recall and use multiplication and division facts for tables up to 12 x 12
Year 5	Revision of all times tables and division facts up to 12 x 12
Year 6	Revision of all times tables and division facts up to 12 x 12



$$\begin{array}{r}
 756 \\
 \times 32 \\
 \hline
 1512 \\
 + 22680 \\
 \hline
 \boxed{24192}
 \end{array}$$



Year 6

SATs



Why is Multiplication important?

Multiplication Tables Check (MTC)



- The **Multiplication Tables Check (MTC)** will be administered to children in **Year 4**, starting in the **2019-20 academic year**.
- The purpose of the MTC is to determine whether Year 4 pupils can recall their multiplication tables up to 12x12 fluently as outlined in the National Curriculum.
- Children will be tested using a computer, where they will have to answer multiplication questions against a clock. The test will last no longer than 5 minutes; children will have **6 seconds** to answer each question in a series of 25 followed by a 3 second rest.



What we need to know



- The MTC will test multiplication recall, not division
- The check is online and on screen (answers will need to be input by typing or by touch screen)
- The MTC will take place within a 3 week window from June
- It is important that children get used to the format of the test: the question is displayed for 6 seconds followed by a 3 second rest. Whatever is in the answer box at the end of the 6 seconds will be taken as the child's answer
- It will take less than 5 minutes for each child to take the test. There is no requirement for all children to take the test at the same time or on the same day.
- The children will have 25 questions to complete



- Each child will have questions generated randomly
- The 6, 7, 8, 9 and 12 times tables are more likely to be asked than the 2, 3, 4, 5, 10 or 11 multiplication tables. There is a focus on these as these are the 'most difficult' multiplication tables.
- There will always be questions from the 3, 4, 5, 6, 7, 8, 9, 11 and 12 multiplication tables in each test
- There will be no questions from the 1 times table (i.e 1×8 or 8×1)
- There will only be a maximum of 7 questions from the 2, 5 and 10 times tables.
- Reversal of questions using the commutative law will not feature in the same check. This means that, for example, 8×3 and 3×8 won't be asked to the same pupil.

Here is a breakdown of the questions that will be asked:

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



- The following 11 multiplication questions (and their commutative equivalents) are more likely to be asked: –

- $6 \times 6, 6 \times 7, 6 \times 8, 6 \times 9, 6 \times 12$

- $7 \times 8, 7 \times 9, 7 \times 12$

- $8 \times 9, 8 \times 12$

- 12×12



THE DFE STATE THAT THE MOTIVATION BEHIND THE MTC IS PURELY TO ALLOW TEACHERS A CHANCE TO IDENTIFY CHILDREN WHO NEED SOME MORE HELP WITH THEIR TIMES TABLES TO STOP THEM FROM FALLING FURTHER BEHIND THEIR PEERS AS THEY MOVE UP TO YEAR 5 AND THEN YEAR 6.



**Department
for Education**

Useful websites:

<https://www.timestables.co.uk/>

<https://myminimaths.co.uk/tt38-times-tables-skill-builder/>

<http://www.timestables.me.uk/>

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

<https://urbrainy.com/mtc>

<https://www.transum.org/Tables/Square.asp?Level=1>

<https://tablestest.com/>

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

