Supporting your child to become fluent with multiplication table facts

Knowledge of multiplication and division and its applications form the single most important aspect of the KS2 curriculum and is the gateway to success at secondary school. It is also an area with which pupils often struggle.

Our aim is for the children to develop number sense related to multiplication and division. We want all children to have automaticity (quick recall) in times tables to help them with other work involving multiplication and division.

In Year 4, we have introduced a daily 10/15– minute session (Y4 Mastering Number) in addition to the main maths lesson. This short session is aimed at developing understanding and fluency of multiplication facts.

In June of Year 4, pupils will complete the Department for Education Multiplication Tables Check. The purpose of this is to assess recall of times table facts up to 12 x 12.

Key features:

- Online (iPads) with keypads
- 25 questions
- 6 seconds to answer each question
- No pass mark

In our Y4 Mastering Number sessions we focus on

- the 36 Core Multiplication Facts in the table below
- the 12 times table facts - listed below
- a couple of tricky facts from the 11s - listed below

We learn **two new facts each week** through a programme during the spring and summer terms called Going for Gold. Children have time to understand and practise each new fact before we move on. Our aim is that the Y4 Mastering Number sessions will support pupils to know their facts well and recall them confidently and quickly, so the 6 seconds recall for the MTC is achievable.

We learn that multiplication is commutative, so **5 × 7** is the same as **7 × 5.**

Since 5 x 7 and 7 x 5 both equal 35 **we only have to learn one of these facts**. We always say the **smaller factor first,** regardless of its position, so for both facts we say "five, seven, thirty-five (factor, factor, product).

5 x 7 = 35 and 7 x 5 = 35 for both of these facts, we say ...

5, 7, 35

Core Multiplication Facts

All of these facts have the smaller factor first.

Practise by saying the factors in this order followed by the product, e.g 'three, four, twelve.'

3, 4, 12

2 x 2 = 4							
2 x 3 = 6	3 x 3 = 9						
2 x 4 = 8	3 x 4 = 12	4 x 4 = 16					
2 x 5 = 10	3 x 5 = 15	4 x 5 = 20	5 x 5 = 25				
2 x 6 = 12	3 x 6 = 18	4 x 6 = 24	5 x 6 = 30	6 x 6 = 36			
2 x 7 = 14	3 x 7 = 21	4 x 7 = 28	5 x 7 = 35	6 x 7 = 42	7 x 7 = 49		
2 x 8 = 16	3 x 8 = 24	4 x 8 = 32	5 x 8 = 40	6 x 8 = 48	7 x 8 = 56	8 x 8 = 64	
2 x 9 = 18	3 x 9 = 27	4 x 9 = 36	5 x 9 = 45	6 x 9 = 54	7 x 9 = 63	8 x 9 = 72	9 x 9 = 81

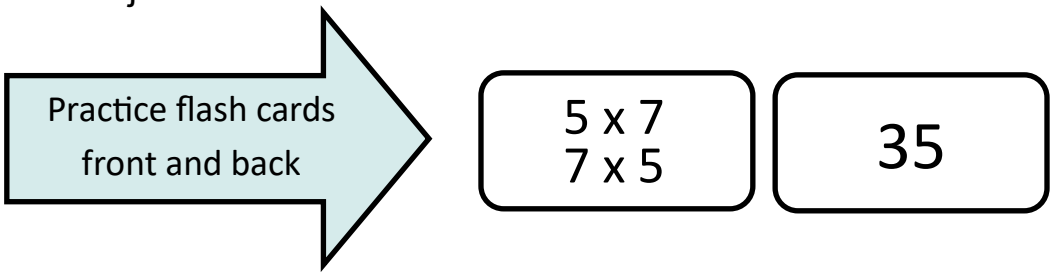
1 x 12 = 12
2 x 12 = 24
3 x 12 = 36
4 x 12 = 48
5 x 12 = 60
6 x 12 = 72
7 x 12 = 84
8 x 12 = 96
9 x 12 = 108
10 x 12 = 120
11 x 12 = 132
12 x 12 = 144

10 x 11 = 110
11 x 11 = 121

Going for Gold		
Let's all learn our multiplication facts!		
Spring Term into Summer Term		
2 new facts each week		
Week 11	5 x 9 = 45	3 x 4 = 12
Week 12	3 x 9 = 27	7 x 8 = 56
Week 13	4 x 5 = 20	4 x 9 = 36
Week 14	3 x 7 = 21	6 x 7 = 42
Week 15	Practice week	
Week 16	3 x 8 = 24	4 x 6 = 24
Week 17	7 x 8 = 56	3 x 6 = 18
Week 18	6 x 9 = 54	5 x 6 = 30
Week 19	7 x 9 = 63	5 x 8 = 40
Week 20	Practice week	
Week 21	8 x 9 = 72	3 x 5 = 15
Week 22	5 x 7 = 35	4 x 8 = 32
Week 23	4 x 7 = 28	

Things you can do to help at home:

- Make some practice flash cards. When you use them, if your child is not yet able to recall a product quickly they can turn the card over to see the product. They can then practise the fact using the correct product. In these practice sessions, we are not wanting children to count or work out the fact - we want them to just know it!



- Keep saying a fact aloud, "5, 7, 35"
- Practise on TTRockstars
- Website: Mathsframe Multiplication Tables Check