

## Times Tables

The fluent recall of times tables facts is something many students struggle with. Tables that were memorised last year can seem to have disappeared from their memory the following year so they need to be regularly revisited and applied.

The National Curriculum gives the minimum times tables knowledge expectations for each year as follows:

By the end of Year 2	By the end of Year 3	By the end of Year 4	By the end of Year 5	By the end of Year 6
2, 5, 10 including division facts.	2, 3, 4, 5, 8, 10 including division facts.	All times tables up to 12 x 12 with division facts.	Same as Year 4 and related questions e.g. 1/9 of 63 is 7. Knowledge of prime numbers to 19.	Same as Year 5 and a knowledge of prime numbers below 100. Identify common factors and multiples.

While some students may find learning all 12x12 facts and the associated division facts daunting, there are in fact very few to learn in isolation when key tables are mastered!

Multiplication is communicative so you can reverse the order of the numbers and the answer will be the same. For example:

$9 \times 5 = 45$  so  $5 \times 9 = 45$  In the same way, division and multiplication are communicative so  $45 \div 9 = 5$  and  $45 \div 5 = 9$

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

So once students have learnt their 2, 3, 4 and 5 times tables they can in fact answer half of the 6-10 times tables.

### Resources:

Here are some helpful websites with explanatory videos, games and interactive quizzes:

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

<https://www.transum.org/Tables/Square.asp?Level=2>

<https://www.oxfordowl.co.uk/for-home/at-school/subject-guides/maths-at-primary-school/>