



Key Instant Recall Facts Year 6: Autumn 1

Target: Consolidate multiplication and division facts for all times tables up to 12 x12 and derive multiplication and division facts using multiples of 10 and decimal numbers

By the end of this half term, children in year 6 should know the following facts and be able to recall them instantly:

Some examples:

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

The children should also know the **corresponding division facts**.

e.g. $144 \div 12 = 12$ $72 \div 9 = 8$

and **derived facts (multiples of 10 and decimals)**

e.g. $50 \times 9 = 450$ $24 \div 0.6 = 40$

Top Tips - The secret to success? Practise little and often! Can you learn these on your way to school? On a car journey? Or even at the breakfast table? You don't need to learn them all at once: start with those you are more confident with before tackling the rest. Why not practise whilst keeping active? You could throw and catch

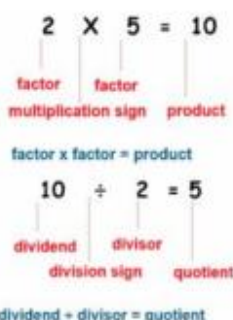
Play games!

✓ Buy one get three free! If your child knows one fact (e.g. $3 \times 14 = 12$), can they tell you the other three facts in the same fact family (e.g. $4 \times 3 = 12$, $12 \div 3 = 4$, $12 \div 4 = 3$)? Ask for additional facts using multiples of 10 and decimals e.g. $40 \times 3 = 120$, $120 \div 30 = 4$, $0.4 \times 3 = 1.2$, $1.2 \div 0.3 = 4$

✓ Play Ping Pong with a partner: Take it in turns to count up in multiples of a number:

✓ Throw or bounce a ball with one person shouting a multiple then throwing the ball to their partner who shouts back the factors.

Key Vocabulary



Key Questions

What are the factors of ...

What are the multiples of ...

What is the product of ... and ...?

Useful websites (games and information):

<https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4>

<https://classroom.thenational.academy/units/multiplication-and-division-70b8>

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

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

<https://mathsframe.co.uk/en/resources/category/7/multiplication-and-division>