



Key Instant Recall Facts

Year 6: Autumn 2

WALT: derive multiplication and division facts using multiples of 10 and decimal numbers

This KIRF will be tested at the start and end of the term. In school, your child will receive one, fifteen-minute, timetabled slot a week to practise this skill. **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:

The children should also know the corresponding division facts to multiplications to 12×12 , however, we know not all children are confident at this yet.

Children should aim to recall facts confidently first, e.g.

$$144 \div 12 = 12$$

$$72 \div 9 = 8$$

and then move onto derived facts (multiples of 10 and decimals) by the end of the term e.g.

$$\text{if } 5 \times 9 = 45, \text{ then } \dots 50 \times 9 = 450$$

$$\text{if } 24 \div 6 = 4, \text{ then } \dots 24 \div 0.6 = 40$$

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

Key Vocabulary:

$$2 \times 5 = 10$$

Factor Factor Product

$$10 \div 2 = 5$$

Dividend Divisor Quotient

7, 14, 21, 28 ...

These are **multiples** of 7.

1, 2, 4, 7, 14 and 28 are all **factors** of 28.

Key Questions:

What are factors of ...

What are multiples of ...?

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

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 or kick a ball whilst learning them!

Play Games!

✓ Buy one get three free! If your child knows one fact (e.g. $3 \times 14 = 42$), can they tell you the other three facts in the same fact family (e.g. $4 \times 3 = 12$, $12 \div 3 = 4$, $12 \div 4 = 3$)? Then ask for additional facts using multiples of 10 and decimals e.g., $40 \times 3 = 120$, $120 \div 30 = 4$, $0.4 \times 3 = 1.2$ etc.

✓ Create a board game or a treasure hunt related to your weakest times table (include \times and \div)

✓ Make some flashcards and ask a family member to test you!

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

Useful Websites (games and information):

<https://www.bbc.co.uk/teach/super movers/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>

Don't forget to log in and practise your recall on Times Table Rockstars!

