

Key Instant Recall Facts

Year 5: Autumn 1

WALT: consolidate multiplication and division facts for all times tables up to 12 x 12

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 5 should know the following facts and be able to recall them instantly:**

Some Examples:

The children should also know the multiplication and division facts to multiplications to 12 x 12.

Children should aim to recall facts confidently without hesitation.

e.g.

$$49 \div 7 = 7$$

Children should be familiar with multiplication triangles and be able to construct the 4 relative number sentences linked to the number family.e.g.

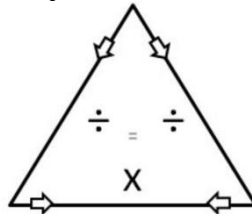
$$6 \times 4 = 24$$

$$4 \times 6 = 24$$

$$24 \div 6 = 4$$

$$24 \div 4 = 6$$

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. $3 \times 14 = 12$), can they tell you the other three facts in the same fact family (e.g. $4 \times 3 = 12$, $12 \div 3 = 4$, $12 \div 4 = 3$)? 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 x and ÷)

✓ 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!

