Key Instant Recall Facts

Summer 1

By the end of this term, children should know the following facts.
The aim is for them to be able to recall these facts instantly.

Recall all multiplication and division facts for the multiplication tables up to 12 x 12:

E.g.

12 x 3 =

8 x 7 =

4 x 5 =

Key Vocabulary

Multiplication

Division

Inverse (opposite)
Multiplication and division are inverse operations.

Questions

How many groups do I have?

What is 60 grouped into 5?

If I know that 12 x 8 = 72, what else do I know using these numbers?

We encourage children to use the facts they know to support them with trickier times tables facts.

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

Know factor pairs that make multiples of all the multiplication tables up to and including 12 x 12:

E.g.

For 20 the factor pairs are 1 and 20 (1 x 20 = 20), 2 and 10 (2 x 10 = 20) and 5 and 4 (5 x 4 = 20)

For 18 the factor pairs are 1 and 18 (1 x 18 = 18), 2 and 9 (2 x 9 = 18) and 3 and 6 (3 x 6 = 18).

Key Vocabulary

Factors

Factor pairs

Multiples

Questions

What are the factors of 15?

The number 15 appears in which times tables?

Useful web links to explain what factors and multiples are:

https://www.bbc.co.uk/bitesize/topics/zfq7hyc/articles/zp6wfcw

https://www.bbc.co.uk/bitesize/topics/zqbg87h/articles/zgbpnbk

12: *1, 12, 2, 6, 3, 4*

$$1 \times 12 = 12$$
$$2 \times 6 = 12$$
$$3 \times 4 = 12$$

THE FACTORS OF 24 ARE

1, 2, 3, 4, 6, 8, 12 and 24