Key Instant Recall Facts
Autumn

By the end of the term, children should know the following facts and be able to recall them with speed and accuracy:

KIRF: Identify common factors of a pair of numbers.

Some examples:

factor x factor = product

1 x 12 = 12 2 x 6 = 12 3 x 4 = 12

The factors of 12 are 1, 2, 3, 4, 6, 12

1 x 18 = 18 2 x 9 = 18 3 x 6 = 18

The factors of 18 are 1, 2, 3, 6, 9, 18

The common factors are the factors they share.

The common factors of 12 and 18 are 1, 2, 3 and 6

NOTE – Children are not expected to know all the factors of a number instantly but should be able to work

Key vocabulary

factor common factor

multiple highest common factor

Key questions

How can I find the factors of 12?

What are the factors of 12?

What are the factors of 28?

What are the common factors of 12 and 28?

KIRF: Recall prime numbers to 50.

Some examples:

A prime number is a number with no factors other than one and itself.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

7 is a prime number as its only factors are 1 and itself. - 1 x 7 = 7

A composite number is a number with more than 2 factors.

Key vocabulary

prime composite

factor multiple

Key questions

Why is 1 not a prime number?

What is the only prime number that is even?

What are the factors of 7?

Why is 7 a prime number?

Top Tips

The secret is practicing <u>little</u> and <u>often</u>. Use time wisely. Can you practice these KIRFS while walking to school or during a car journey?

⇒ Useful Websites: Times Table Rockstars, Maths Frame Games, BBC Bitesize

Don't practise until you get it right, practise until you can't get it wrong!