Key Instant Recall Facts
Autumn

By the end of the term, children in Year 5 should know the following facts and be able to recall them with speed and accuracy:

KIRF: Recall multiplication and division facts for all times tables up to 12 x 12.

Some examples:

6 x 8 = 48. 48 ÷ 6 = 8

12 x 12 = 144. 84 ÷ 12 = 7

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

factor multiple
product divisor

Key questions

What are the factors of...?
What are multiples of ....?
What is the product of ... and ...?

KIRF: Know number bonds to 100.

Some examples:

60 + 40 = 100
40 + 60 = 100
100 – 40 = 60
100 – 60 = 40

37 + 63 = 100
63 + 37 = 100
100 – 63 = 37
100 – 37 = 63

75 + 25 = 100
25 + 75 = 100
100 – 25 = 75
100 – 75 = 25

48 + 52 = 100
52 + 48 = 100
100 – 52 = 48
100 – 48 = 52

Key vocabulary

add subtract total
difference complement inverse

Key questions

What do I add to 65 to make 100?
What is 13 less than 100?
What is the difference between 89 and 100?

Top Tips

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

⇒ Useful Websites: Daily 10 and Times Table Rockstars

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