Key Instant Recall Facts (KIRFs)

Year 4 Spring term 2

I know multiplication and division facts for the 9x, 11x and 12x tables

1 x 9 = 9 9 ÷ 9 = 1	1 x 11 = 11 11 ÷ 11 = 1	1 x 12 = 12 12 ÷ 12 = 1
2 x 9 = 18 18 ÷ 9 = 2	2 x 11 = 22 22 ÷ 11 = 2	2 x 12 = 24 24 ÷ 12 = 2
3 x 9 = 27 27 ÷ 9 = 3	3 x 11 = 33 33 ÷ 11 = 3	3 x 12 = 36 36 ÷ 12 = 3
4 x 9 = 36 36 ÷ 9 = 4	4 x 11 = 44 44 ÷ 11 = 4	4 x 12 = 48 48 ÷ 12 = 4
5 x 9 = 45 45 ÷ 9 = 5	5 x 11 = 55 55 ÷ 11 = 5	5 x 12 = 60 60 ÷ 12 = 5
6 x 9 = 54 54 ÷ 9 = 6	6 x 11 = 66 66 ÷ 11 = 6	6 x 12 = 72 72 ÷ 12 = 6
7 x 9 = 63 63 ÷ 9 = 7	7 x 11 = 77 77 ÷ 11 = 7	7 x 12 = 84 84 ÷ 12 = 7
8 x 9 = 72 72 ÷ 9 = 8	8 x 11 = 88 88 ÷ 11 = 8	8 x 12 = 96 96 ÷ 12 = 8
9 x 9 = 81 81 ÷ 9 = 9	9 x 11 = 99 99 ÷ 11 = 9	9 x 12 = 108 108 ÷ 12 = 9
10 x 9 = 90 90 ÷ 9 = 10	10 x 11 = 110 110 ÷ 11 = 10	10 x 12 = 120 120 ÷ 12 = 10
11 x 9 = 99 99 ÷ 9 = 11	11 x 11 = 121 121 ÷ 11 = 11	11 x 12 = 132 132 ÷ 12 = 11
12 x 9 = 108 108 ÷ 9 = 12	12 x 11 = 132 132 ÷ 11 = 12	12 x 12 = 144 144 ÷ 12 = 12

Top Tips
- The secret to success is practising little and often.
- Try choosing one or two facts to focus on each day.
- Ensure that your children understand the link between the multiplication and division facts. E.g. If 9 X 7 = 63, then 63 ÷ 7 = 9 and 63 ÷ 9 = 7

Questions to Ask
- How does knowing 12 x 10 = 120, help you answer 12 x 9?
- What patterns do you notice in the 9x and 11x tables?
- What multiplication fact have you used to answer your division question?

Game / Activity Ideas
- Roll a dice. Multiply the number by 9, 11 and 12.
- www.timetables.co.uk
- How many 12 x table multiplication and division facts can you write down in 2 minutes.
- Find out as many tricks as you can to help you with the 9x table.