Key Instant Recall Facts

Year 3 – Spring 1

I can count in 4s and I know the multiplication and division facts for the 4 times table.

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

Count in 4s			**Key vocabulary**
0	0 x 4 = 0	4 ÷ 4 = 1	
4	1 x 4 = 4	8 ÷ 4 = 2	What is 4 **times** 4?
8	2 x 4 = 8	12 ÷ 4 = 3	
12	3 x 4 = 12	16 ÷ 4 = 4	What is 8 **multiplied by** 4?
16	4 x 4 = 16	20 ÷ 4 = 5	
20	5 x 4 = 20	24 ÷ 4 = 6	What is 24 **divided by** 4?
24	6 x 4 = 24	28 ÷ 4 = 7	
28	7 x 4 = 28	32 ÷ 4 = 8	What is 48 **shared between** 4?
32	8 x 4 = 32	36 ÷ 4 = 9	
36	9 x 4 = 36	40 ÷ 4=10	What is 12 **divided into groups of** 4?
40	10 x 4 = 40	44 ÷ 4 = 11	
44	11 x 4 = 44	48 ÷ 4 = 12	
48	12 x 4 = 48		

They should be able to answer these questions in any order, including missing number questions,

e.g. 4 × ◯ = 16 or ◯ ÷ 4 = 7.

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day.

What do you already know? – Your child will already know many of these facts from the 2, 3, 5 and 10 times tables.

Double and double again – Multiplying a number by 4 is the same as doubling and doubling again. Double 6 is 12 and double 12 is 24, so 6 × 4 = 24.

Buy one get three free – If your child knows one fact (e.g. 12 × 4 = 48), can they tell you the other three facts in the same fact family?

Times Table Rockstars – Children all have their username and password to practice in the "Garage" and the "Arena". They could try playing in the "Studio" but remember these will be any questions up to 12x12.

http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html See how many questions you can answer in 90seconds.

https://www.topmarks.co.uk/maths-games/daily10 and https://www.topmarks.co.uk/maths-games/hit-the-button

Key Instant Recall Facts

Year 3 – Spring 2

I can count in 8s and I know the multiplication and division facts for the 8 times table.

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

Count in 8s			**Key vocabulary**
0	0 x 8 = 0	0 ÷ 8 = 0	
8	1 x 8 = 8	8 ÷ 8 = 1	What is 4 **times** 8?
16	2 x 8 = 16	16 ÷ 8 = 2	
24	3 x 8 = 24	24 ÷ 8 = 3	What is 8 **multiplied by** 8?
32	4 x 8 = 32	32 ÷ 8 = 4	
40	5 x 8 = 40	40 ÷ 8 = 5	What is 24 **divided by** 8?
48	6 x 8 = 48	48 ÷ 8 = 6	
56	7 x 8 = 56	56 ÷ 8 = 7	What is 48 **shared between** 8?
64	8 x 8 = 64	64 ÷ 8 = 8	
72	9 x 8 = 72	72 ÷ 8 = 9	What is 72 **divided into groups of** 8?
80	10 x 8 = 80	80 ÷ 8=10	
88	11 x 8 = 88	88 ÷ 8 = 11	
96	12 x 8 = 96	96 ÷ 8 = 12	

They should be able to answer these questions in any order, including missing number questions,

e.g. 4 × ◯ = 32 or ◯ ÷ 8 = 56.

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day.

What do you already know? – Your child will already know many of these facts from the 2, 3, 4, 5 and 10 times tables.

Double the 4 times tables – Multiplying a number by 8 is the same as multiplying by 4 and doubling.
6 × 8 = 48 because 6 x 4 = 24 and double that to get 48.

Buy one get three free – If your child knows one fact (e.g. 12 × 8 = 96), can they tell you the other three facts in the same fact family?

Times Table Rockstars – Children all have their username and password to practice in the "Garage" and the "Arena". They could try playing in the "Studio" but remember these will be any questions up to 12x12.

http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html See how many questions you can answer in 90seconds.

https://www.topmarks.co.uk/maths-games/daily10 and https://www.topmarks.co.uk/maths-games/hit-the-button