Key Instant Recall Facts

Year Four – Summer 1

I know all my times tables to 12 x 12

The Year Four children have already been learning their times tables all year. The KIRFs program gives the children a further opportunity to practise and memorise these facts before the times table screen. There are enormous benefits of their instant recall for the children's fluency in calculation, arithmetic, problem solving and reasoning. It enables our children to focus on other aspects of Maths and gives a confidence that drives them further forward with this subject. It also builds Maths confidence

Please dedicate 5 minutes a day to their practice and support the hard work that your children are already doing in their KIRFs time at school. Please ask your child what they practised in their KIRFs time each day.

By the end of this half term the Year Four children should know ALL the times tables up to 12 x 12. The aim is for them to recall these facts instantly.

0 X 1 = 0	0 X 2 = 0	0 X 3 = 0	0 X 4 = 0	0 X 5 = 0	0 X 6 = 0
1 X 1 = 1	1 X 2 = 2	1 X 3 = 3	1 X 4 = 4	1 X 5 = 5	1 X 6 = 6
2 X 1 = 2	2 X 2 = 4	2 X 3 = 6	2 X 4 = 8	2 X 5 = 10	2 X 6 = 12
3 X 1 = 3	3 X 2 = 6	3 X 3 = 9	3 X 4 = 12	3 X 5 = 15	3 X 6 = 18
4 X 1 = 4	4 X 2 = 8	4 X 3 = 12	4 X 4 = 16	4 X 5 = 20	4 X 6 = 24
5 X 1 = 5	5 X 2 = 10	5 X 3 = 15	5 X 4 = 20	5 X 5 = 25	5 X 6 = 30
6 X 1 = 6	6 X 2 = 12	6 X 3 = 18	6 X 4 = 24	6 X 5 = 30	6 X 6 = 36
7 X 1 = 7	7 X 2 = 14	7 X 3 = 21	7 X 4 = 28	7 X 5 = 35	7 X 6 = 42
8 X 1 = 8	8 X 2 = 16	8 X 3 = 24	8 X 4 = 32	8 X 5 = 40	8 X 6 = 48
9 X 1 = 9	9 X 2 = 18	9 X 3 = 27	9 X 4 = 36	9 X 5 = 45	9 X 6 = 54
10 X 1 = 10	10 X 2 = 20	10 X 3 = 30	10 X 4 = 40	10 X 5 = 50	10 X 6 = 60
11 X 1 = 11	11 X 2 = 22	11 X 3 = 33	11 X 4 = 44	11 X 5 = 55	11 X 6 = 66
12 X 1 = 12	12 X 2 = 24	12 X 3 = 36	12 X 4 = 48	12 X 5 = 60	12 X 6 = 72

0 X 7 = 0	0 X 8 = 0	0 X 9 = 0	0 X 10 = 0	0 X 11 = 0	0 X 12 = 0
1 X 7 = 7	1 X 8 = 8	1 X 9 = 9	1 X 10 = 10	1 X 11 = 11	1 X 12 = 12
2 X 7 = 14	2 X 8 = 16	2 X 9 = 18	2 X 10 = 20	2 X 11 = 22	2 X 12 = 24
3 X 7 = 21	3 X 8 = 24	3 X 9 = 27	3 X 10 = 30	3 X 11 = 33	3 X 12 = 36
4 X 7 = 28	4 X 8 = 32	4 X 9 = 36	4 X 10 = 40	4 X 11 = 44	4 X 12 = 48
5 X 7 = 35	5 X 8 = 40	5 X 9 = 45	5 X 10 = 50	5 X 11 = 55	5 X 12 = 60
6 X 7 = 42	6 X 8 = 48	6 X 9 = 54	6 X 10 = 60	6 X 11 = 66	6 X 12 = 72
7 X 7 = 49	7 X 8 = 56	7 X 9 = 63	7 X 10 = 70	7 X 11 = 77	7 X 12 = 84
8 X 7 = 56	8 X 8 = 64	8 X 9 = 72	8 X 10 = 80	8 X 11 = 88	8 X 12 = 96
9 X 7 = 63	9 X 8 = 72	9 X 9 = 81	9 X 10 = 90	9 X 11 = 99	9 X 12 = 108
10 X 7 = 70	10 X 8 = 80	10 X 9 = 90	10 X 10 = 100	10 X 11 = 110	10 X 12 = 120
11 X 7 = 77	11 X 8 = 88	11 X 9 = 99	11 X 10 = 110	11 X 11 = 121	11 X 12 = 132
12 X 7 = 84	12 X 8 = 96	12 X 9 = 108	12 X 10 = 120	12 X 11 = 132	12 X 12 = 144

Key Vocabulary

What is 12 multiplied by 7?

What is 7 times 8?

What is 96 divided by 12?

What is the product of 7 and 6?

They should be able to answer these questions in any order, including missing number questions e.g. $7 \times \bigcirc = 28$ or $\bigcirc \div 6 = 7$. Children who have already mastered their times tables should apply this knowledge to answer questions including decimals for instance $0.7 \times ? = 4.2$ or $? \div 60 = 0.7$

The secret to success and putting these in your long term memory is working hard. To help do this, practise little and often. Use little moments of time. Practise these KIRFs while walking to school or during a car journey for example.

Buy one get three free – If your child knows one fact (e.g. $12 \times 9 = 108$), can they tell you the other three facts in the same fact family? If you know 7 x 9 = 63, then what will 70 x 9 be?

Look for patterns – These times tables are full of patterns for your child to find. How many can they spot?

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

Daily 10 - Mental Maths Challenge - Topmarks and https://www.topmarks.co.uk/maths-games/hit-thebutton