

Key Instant Recall Facts

Year Five – Autumn 1

I know the multiplication and division facts for all times tables up to 12×12 .

The Year Five children have already been learning their times tables for a number of years. However, this first half term gives the Year Five children further opportunity to consolidate these facts within their long term memory. For others, it allows more time to absorb any missing times-table facts. There are enormous benefits of their instant recall to 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.

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.

By the end of this half term the Year Five children should know ALL the times tables up to 12×12 . The aim is for them to recall these facts instantly. This half term is a chance for Year 6 children to consolidate their knowledge of multiplication and division facts and to increase their speed of recall.

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 6?

What is 7 times 8?

What is 84 divided by 7?

What is the product of 7 and 8?

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 $? \div 60 = 0.7$

Top Tips

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.

You don't need to practise them all at once: perhaps you could start with one particular times table and ensure they know all of them before moving onto another times table.

Work on three facts a day, as it breaks up the memorising.

Speed Challenge – Take two packs of playing cards and remove the kings. Turn over two cards and ask your child to multiply the numbers together (Ace = 1, Jack = 11, Queen = 12). How many questions can they answer correctly in 2 minutes? Practise regularly and see if they can beat their high score.

<https://www.topmarks.co.uk/maths-games/daily10> -

