

Autumn 1

Learning Focus: To consolidate multiplication and division facts for all times tables up to 12×12 .

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

Representations

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Key Vocabulary

- Factor
- Multiplication
- Product
- Dividend
- Divisor
- Quotient

$$\begin{array}{c} 2 \times 5 = 10 \\ \text{factor} \quad \text{factor} \quad \text{product} \\ \text{multiplication sign} \end{array}$$

factor x factor = product

$$\begin{array}{c} 10 \div 2 = 5 \\ \text{dividend} \quad \text{divisor} \quad \text{quotient} \\ \text{division sign} \end{array}$$

dividend ÷ divisor = quotient

Getting Started

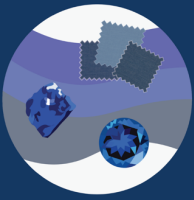
The secret to success is practising little and often. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You do not need to practise them all at once; perhaps you could have a fact of the day. If you would like more ideas, please speak to your child's teacher.

Suggested Activities

- **Buy one get three free!** If your child knows one fact (e.g. $3 \times 14 = 42$), can they tell you the other three facts in the same fact family (e.g. $42 \div 3 = 14$, $14 \times 3 = 42$, $42 \div 14 = 3$)?
- Create a board game or a treasure hunt related to your weakest times table
- Make some flashcards and ask a family member to test you!
- **Play Ping Pong** - Take it in turns to count in multiples of a number or throw/bounce the ball with one person shouting a multiple then throwing the ball to their partner who shouts back the factors

Useful Websites

- [Maths Frame: Multiplication and Division](#)
- [BBC: Times Table Collection](#)
- [Games: Hit the Button](#)
- [Times Tables](#)
- [Times Table Rockstars](#)



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