By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy:**

### I know multiplication and division facts for the 3 times table.

| | | | |
|---|---|---|---|
| 0 x 3 = 0 | 3 x 0 = 0 | | |
| 1 x 3 = 3 | 3 x 1 = 3 | 3 ÷ 3 = 1 | 3 ÷ 1 = 3 |
| 2 x 3 = 6 | 3 x 2 = 6 | 6 ÷ 3 = 2 | 6 ÷ 2 = 3 |
| 3 x 3 = 9 | 3 x 3 = 9 | 9 ÷ 3 = 3 | 9 ÷ 3 = 3 |
| 4 x 3 = 12 | 3 x 4 = 12 | 12 ÷ 3 = 4 | 12 ÷ 4 = 3 |
| 5 x 3 = 15 | 3 x 5 = 15 | 15 ÷ 3 = 5 | 15 ÷ 5 = 3 |
| 6 x 3 = 18 | 3 x 6 = 18 | 18 ÷ 3 = 6 | 18 ÷ 6 = 3 |
| 7 x 3 = 21 | 3 x 7 = 21 | 21 ÷ 3 = 7 | 21 ÷ 7 = 3 |
| 8 x 3 = 24 | 3 x 8 = 24 | 24 ÷ 3 = 8 | 24 ÷ 8 = 3 |
| 9 x 3 = 27 | 3 x 9 = 27 | 27 ÷ 3 = 9 | 27 ÷ 9 = 3 |
| 10 x 3 = 30 | 3 x 10 = 30 | 30 ÷ 3 = 10 | 30 ÷ 10 = 3 |
| 11 x 3 = 33 | 3 x 11 = 33 | 33 ÷ 3 = 11 | 33 ÷ 11 = 3 |
| 12 x 3 = 36 | 3 x 12 = 36 | 36 ÷ 3 = 12 | 36 ÷ 12 = 3 |

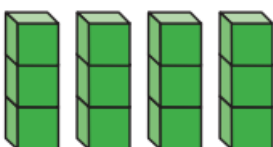### Key vocabulary

Multiply- Adding equal groups a certain number of times
e.g. 4 x 3 = 3+3+3+3 = 12. This can also be referred to as groups of or lots of.
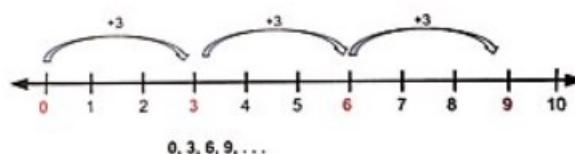Divide- Sharing or grouping numbers/objects into equal groups
Eg 27 ÷ 3 = 9.

### What can this look like?

Concrete:   4 x 3 = =

Pictorial:  3 x 3 =



0, 3, 6, 9, . . .

Abstract:

8 x 3 =24
8 groups of 3 = 24
3+3+3+3+3+3+3+3 = 24
3 multiplied by 8 = 24
24 divided by 3 = 8

# Top tips

* The secret to success is practising **little and often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise?

*Use what you already know – If your child knows that 4 x 3 = 12, they can use this fact to work out that 8 x 3 = 24

* Note: Children should be able to answer five times table calculations in any order, including missing number questions e.g. 3 x _ = 27 or _ ÷ 3 = 18

## Key questions -

What is 3 multiplied by 8?

What is 3 times 7?

What is 11 divided by 3?

## Things to try

Chanting- Say the times table facts out loud, 1 times 3 is 3, 2 times 3 is 6 etc.

Can you beat Siri?- Ask Siri a 3 times table question, see if you can answer it before Siri does!

Spot patterns—what patterns can you spot when write out the 3 times tables in order?

Test the parent – Your child can make up their own tricky division questions for you e.g. What is 30 divided by 3? They need to be able to multiply to create these questions.

Chalk sums- Use chalk on an outside patio/path to write out the 3 times table.

## Websites

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

https://ttrockstars.com/  (Your child's log in details are in their planner)

https://www.timestables.co.uk/3-times-table.html