Year 4 – Term 3

I know the multiplication and division facts for the 9 times tables.

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

$1 \times 9 = 09$

$+1 \downarrow\ \downarrow -1$

$2 \times 9 = 18$

$+1 \downarrow\ \downarrow -1$

$3 \times 9 = 27$

$+1 \downarrow\ \downarrow -1$

$4 \times 9 = 36$

$+1 \downarrow\ \downarrow -1$

$5 \times 9 = 45$

$+1 \downarrow\ \downarrow -1$

$6 \times 9 = 54$

$+1 \downarrow\ \downarrow -1$

$7 \times 9 = 63$

$+1 \downarrow\ \downarrow -1$

$8 \times 9 = 72$

$+1 \downarrow\ \downarrow -1$

$9 \times 9 = 81$

$+1 \downarrow\ \downarrow -1$

$10 \times 9 = 90$

blip: stays the same $\downarrow$ $\downarrow$ back to 9

$11 \times 9 = 99$

$+1 \downarrow\ \downarrow -1$

$12 \times 9 = 108$

$9 \div 9 = 1$

$18 \div 9 = 2$

$27 \div 9 = 3$

$36 \div 9 = 4$

$45 \div 9 = 5$

$54 \div 9 = 6$

$63 \div 9 = 7$

$72 \div 9 = 8$

$81 \div 9 = 9$

$90 \div 9 = 10$

$99 \div 9 = 11$

$108 \div 9 = 12$

Key Vocabulary

What is 9 **multiplied** by 6?
What is 8 **times** 9?
What is the **product** of 4 and 9?
What are the **multiples** of 9?
What is 72 **divided** by 9?

They should be able to answer these questions in any order, including missing number questions e.g. $? \times 9 = 54$ or $? \div 9 = 11$.

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 family of the day. If you would like more ideas, please speak to your child's teacher.

▶ There's a nice number pattern in the 9 times table that some children find helps them: the ones number goes down by one and the tens number goes up by one each time. (You'll notice that there's a blip at 11×9, but then the pattern picks up again).

▶ What do you already know? – Your child will already know many of these facts from other times tables. It might be worth practising these again!

The 9 times table trick

There's a great trick for recalling the 9 times table which some children really enjoy:
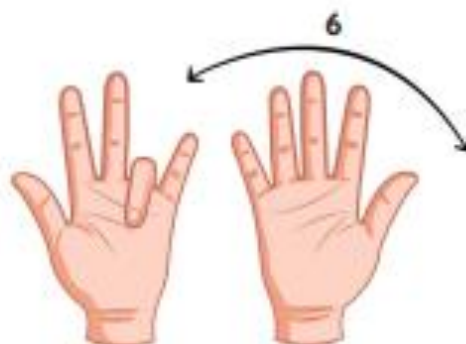
To find 4 × 9:

1. Hold out both hands in front of you.

2. To find **4** × **9**, count in **4** fingers from the left, and hold down this finger.

3. Count all the fingers before the one that's held down – **3**. This is first number in your answer.

4. Count all the fingers after the one that's held down – **6**. This is the last number of your answer.

So the answer to **4 × 9** is **36**.

And it works for all the 9 times table up to 10 × 9. Give it a go!