



# KIRF: I know the multiplication facts for the 9 times table.

This half term, the children will be learning to count in 9s and will learn the 9 multiplication and division facts; they should be able to recall these independently and automatically.

$9 \times 1 = 9$ $9 \times 2 = 18$ $9 \times 3 = 27$ $9 \times 4 = 36$ $9 \times 5 = 45$ $9 \times 6 = 54$ $9 \times 7 = 63$ $9 \times 8 = 72$ $9 \times 9 = 81$ $9 \times 10 = 90$ $9 \times 11 = 99$ $9 \times 12 = 108$	$9 \div 9 = 1$ $18 \div 9 = 2$ $27 \div 9 = 3$ $36 \div 9 = 4$ $45 \div 9 = 5$ $54 \div 9 = 6$ $63 \div 9 = 7$ $72 \div 9 = 8$ $81 \div 9 = 9$ $90 \div 9 = 10$ $99 \div 9 = 11$ $108 \div 9 = 12$	$11 \times 1 = 11$ $11 \times 2 = 22$ $11 \times 3 = 33$ $11 \times 4 = 44$ $11 \times 5 = 55$ $11 \times 6 = 66$ $11 \times 7 = 77$ $11 \times 8 = 88$ $11 \times 9 = 99$ $11 \times 10 = 110$ $11 \times 11 = 121$ $11 \times 12 = 132$	$11 \div 11 = 1$ $22 \div 11 = 2$ $33 \div 11 = 3$ $44 \div 11 = 4$ $55 \div 11 = 5$ $66 \div 11 = 6$ $77 \div 11 = 7$ $88 \div 11 = 8$ $99 \div 11 = 9$ $110 \div 11 = 10$ $121 \div 11 = 11$ $132 \div 11 = 12$	They should also know the commutative calculations: $7 \times 9 = 63$ $9 \times 7 = 63$  They should be able to answer these questions in any order, including missing number questions, e.g. $7 \times \bigcirc = 63$ or $\bigcirc \div 8 = 9$ .	<b>Key Vocabulary :</b> Factor, product, multiplication, dividend, divisor, quotient. What is 9 <b>multiplied</b> by 9? What is 8 <b>times</b> 3? 4 <b>groups</b> of 9 = 3 <b>lots</b> of 9 = 9, <b>ten times</b> = 6 nines are
<b>What can this look like?</b> <b>Concrete, Pictorial Abstract:</b>					
	$9 \times 2 = 18$ 	$3 \times 9 = \square$ $9 \times \square = \square$ $\square - 9 = 3$ $\square \div \square = 9$			

### Activity ideas:

*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 of the day.*

**Chants-** Practice chanting the timestables.

**Songs-** Youtube- a variety of songs linked to multiplication facts.

**What do you already know?** – Your child will already know many of these facts from the 2, 3, 4, 5, 6 and 10 times tables.

**Create a game** using 9 times table facts.

**Test the Parent** – Your child can make up their own tricky multiplication questions for you e.g. What is 7 multiplied by 10? They need to be able to multiply to create these questions.

**Beat the clock-** You have 10 seconds to answers as many questions as you can. Each correct answer will earn you one second of extra time. The game ends when the time runs out or an incorrect answer is given.

**Multiplication race**– Write the answers to the 9 times table (9, 18, 27 etc.) on large pieces of card. Shout out a random 9 times table question and race your child to the right answer.

**Write a song/ a rhyme/ create a poster.**

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

**Websites:**

[TTrockstars](#) Children all have their username and password to practice in the “Garage” and the “Arena”. If children use the **Jamming** section on the app, they can choose just the **9x** table to focus on.

[MyMaths](#) Children will be set weekly home learning.

[Hit the Button](#)