



# Key Instant Recall Facts

## Year 4 – Autumn 2

### Key Vocabulary

What is 9 multiplied by 8?

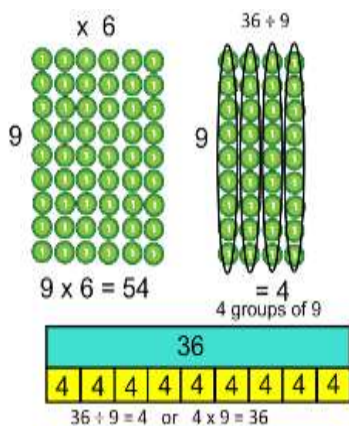
What is 6 times 9?

What are 7 lots of 11?

What is 121 grouped into 11s?

What is 54 divided by 9?

What is 72 shared by 9?



I aspire to know the multiplication and division facts for the 9x and the 11x tables.

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

$0 \times 9 = 0$	$0 \div 9 = 0$	$0 \times 11 = 0$	
$1 \times 9 = 9$	$9 \div 9 = 1$	$1 \times 11 = 11$	$11 \div 11 = 1$
$2 \times 9 = 18$	$18 \div 9 = 2$	$2 \times 11 = 22$	$22 \div 11 = 2$
$3 \times 9 = 27$	$27 \div 9 = 3$	$3 \times 11 = 33$	$33 \div 11 = 3$
$4 \times 9 = 36$	$36 \div 9 = 4$	$4 \times 11 = 44$	$44 \div 11 = 4$
$5 \times 9 = 45$	$45 \div 9 = 5$	$5 \times 11 = 55$	$55 \div 11 = 5$
$6 \times 9 = 54$	$54 \div 9 = 6$	$6 \times 11 = 66$	$66 \div 11 = 6$
$7 \times 9 = 63$	$63 \div 9 = 7$	$7 \times 11 = 77$	$77 \div 11 = 7$
$8 \times 9 = 72$	$72 \div 9 = 8$	$8 \times 11 = 88$	$88 \div 11 = 8$
$9 \times 9 = 81$	$81 \div 9 = 9$	$9 \times 11 = 99$	$99 \div 11 = 9$
$10 \times 9 = 90$	$90 \div 9 = 10$	$10 \times 11 = 110$	$110 \div 11 = 10$
$11 \times 9 = 99$	$99 \div 9 = 11$	$11 \times 11 = 121$	$121 \div 11 = 11$
$12 \times 9 = 108$	$108 \div 9 = 12$	$12 \times 11 = 132$	$132 \div 11 = 12$

Children should be able to answer these questions in any order, including missing number questions e.g.  $9 \times \bigcirc = 36$  or  $\bigcirc \div 9 = 8$ .

Children should also be making links between number facts e.g. "I know  $4 \times 9 = 36$ , and that  $8 \times 9$  is double  $4 \times 9$ , so  $8 \times 9 = 72$ ."

### You could try some of these ideas...

#### Use your ten times table to help with your 9's

Multiply a number by 10 and subtract the original number (e.g.  $7 \times 10 - 7 = 70 - 7 = 63$ ). What do you notice? What happens if you add your original number instead? (e.g.  $7 \times 10 + 7 = 70 + 7 = 77$ ). You have found  $11 \times 7$ !

#### Look for patterns

All digits in the 9x table add up to 9 e.g.  $18 = 1 + 8$ ,  $27 = 2 + 7$ ,  $3 + 6$

#### You can use the finger trick to help you

What's  $9 \times 7$ ? Hold out all 10 fingers and lower or bend the seventh finger. There are 6 fingers to the left (6 tens) and 3 fingers to the right (3 ones) so the answer is 63.

**Use what you already know** – Your child will already know many of these facts from the 2, 3, 4, 5, 6, 8 and 10 times tables. It might be worth practising these again! Make flash cards or posters to put around the house – practising little and often can really help!

**Practise online** – use your child's personal Times Table Rock Stars log in at <https://trockstars.com>

### 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.

Please see the class teacher if you are unsure of their log in details.