



# Key Instant Recall Facts

## Year 4 Spring 1

### I know the multiplication and division facts for the 9 and 11 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**.

$9 \times 1 = 9$	$9 + 9 = 18$	$11 \times 1 = 11$	$11 + 11 = 22$
$9 \times 2 = 18$	$18 + 9 = 27$	$11 \times 2 = 22$	$22 + 11 = 33$
$9 \times 3 = 27$	$27 + 9 = 36$	$11 \times 3 = 33$	$33 + 11 = 44$
$9 \times 4 = 36$	$36 + 9 = 45$	$11 \times 4 = 44$	$44 + 11 = 55$
$9 \times 5 = 45$	$45 + 9 = 54$	$11 \times 5 = 55$	$55 + 11 = 66$
$9 \times 6 = 54$	$54 + 9 = 63$	$11 \times 6 = 66$	$66 + 11 = 77$
$9 \times 7 = 63$	$63 + 9 = 72$	$11 \times 7 = 77$	$77 + 11 = 88$
$9 \times 8 = 72$	$72 + 9 = 81$	$11 \times 8 = 88$	$88 + 11 = 99$
$9 \times 9 = 81$	$81 + 9 = 90$	$11 \times 9 = 99$	$99 + 11 = 110$
$9 \times 10 = 90$	$90 + 9 = 99$	$11 \times 10 = 110$	$110 + 11 = 121$
$9 \times 11 = 99$	$99 + 9 = 108$	$11 \times 11 = 121$	$121 + 11 = 132$
$9 \times 12 = 108$	$108 + 9 = 117$	$11 \times 12 = 132$	$132 + 11 = 143$

#### Key Vocabulary

What is 8 **multiplied** by 6?

What is 6 **times** 8?

What is 24 **divided** by 6?

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

#### 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.

Look for patterns – These times tables are full of patterns for your child to find. How many can they spot? Look at this: <https://www.dkfindout.com/uk/math/times-tables/9-times-table/>

Use your ten times table – 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.  $7 \times 10 + 7 = 70 + 7 = 77$ )

What do 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!



# Key Instant Recall Facts

## Year 4 Spring 2

### I know the multiplication and division facts for the 7 and 12 times table.

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

$7 \times 1 = 7$	$7 \div 7 = 1$	$12 \times 1 = 12$	$12 \div 12 = 1$
$7 \times 2 = 14$	$14 \div 7 = 2$	$12 \times 2 = 24$	$24 \div 12 = 2$
$7 \times 3 = 21$	$21 \div 7 = 3$	$12 \times 3 = 36$	$36 \div 12 = 3$
$7 \times 4 = 28$	$28 \div 7 = 4$	$12 \times 4 = 48$	$48 \div 12 = 4$
$7 \times 5 = 35$	$35 \div 7 = 5$	$12 \times 5 = 60$	$60 \div 12 = 5$
$7 \times 6 = 42$	$42 \div 7 = 6$	$12 \times 6 = 72$	$72 \div 12 = 6$
$7 \times 7 = 49$	$49 \div 7 = 7$	$12 \times 7 = 84$	$84 \div 12 = 7$
$7 \times 8 = 56$	$56 \div 7 = 8$	$12 \times 8 = 96$	$96 \div 12 = 8$
$7 \times 9 = 63$	$63 \div 7 = 9$	$12 \times 9 = 108$	$108 \div 12 = 9$
$7 \times 10 = 70$	$70 \div 7 = 10$	$12 \times 10 = 120$	$120 \div 12 = 10$
$7 \times 11 = 77$	$77 \div 7 = 11$	$12 \times 11 = 132$	$132 \div 12 = 11$
$7 \times 12 = 84$	$84 \div 7 = 12$	$12 \times 12 = 144$	$144 \div 12 = 12$

#### **Key Vocabulary**

What is 7 multiplied by 12?

What is 7 times 8?

What is 84 divided by 7?

They should be able to answer these questions in any order, including missing number questions e.g.  $7 \times \bigcirc = 28$  or  $\bigcirc \div 6 = 7$ .

#### **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.

Practise online - Log in to TT Rockstars or use the one minute maths app or use 'Hit the Button'

Order of difficulty – Ask your child to order these facts from the easiest to the most challenging. Can they explain why some facts are easier to remember? Then focus on practising the most challenging facts.

What do you already know? – Your child will already know many of these facts from the 2, 3, 4, 5, 6, 8, 9 and 10 times tables. It might be worth practising these again!