



Key Instant Recall Facts

Year 4 –Spring 1

I can count in 9s and 11s.

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.

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

Key vocabulary

What is 4 **times** 9?

What is 8 **multiplied by** 11?

What is 77 **divided by** 11?

What is 45 **shared between** 9?

What is 132 **divided into groups of** 11?

They should be able to answer these questions in any order, including missing number questions, e.g. $9 \times \bigcirc = 108$ or $\bigcirc \div 11 = 7$.

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 of the day.

Buy one get three free – If your child knows one fact (e.g. $12 \times 9 = 108$), can they tell you the other three facts in the same fact family? If you know $7 \times 9 = 63$, then what will 70×9 be?

Times Table Rockstars – Children all have their username and password to practice in the "Garage" and the "Arena". They could try playing in the "Studio" and also do the Soundcheck.

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

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?

<http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html> See how many questions you can answer in 90 seconds.

<https://www.topmarks.co.uk/maths-games/daily10> and <https://www.topmarks.co.uk/maths-games/hit-the-button>



Key Instant Recall Facts

Year 4 – Spring 2

I can count in 7s and 12s.

I know the multiplication and division facts for the 7 and 12 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**.

Count in	$0 \times 7 = 0$	$7 \div 7 = 1$	Count in	$0 \times 12 = 0$	$12 \div 12 = 1$
<u>7s</u>	$1 \times 7 = 7$	$15 \div 7 = 2$	<u>12s</u>	$1 \times 12 = 12$	$24 \div 12 = 2$
0	$2 \times 7 = 14$	$21 \div 7 = 3$	0	$2 \times 12 = 24$	$36 \div 12 = 3$
7	$3 \times 7 = 21$	$28 \div 7 = 4$	12	$3 \times 12 = 36$	$48 \div 12 = 4$
14	$4 \times 7 = 28$	$35 \div 7 = 5$	24	$4 \times 12 = 48$	$60 \div 12 = 5$
21	$5 \times 7 = 35$	$42 \div 7 = 6$	36	$5 \times 12 = 60$	$72 \div 12 = 6$
28	$6 \times 7 = 42$	$49 \div 7 = 7$	48	$6 \times 12 = 72$	$84 \div 12 = 7$
35	$7 \times 7 = 49$	$56 \div 7 = 8$	60	$7 \times 12 = 84$	$96 \div 12 = 8$
42	$8 \times 7 = 56$	$63 \div 7 = 9$	72	$8 \times 12 = 96$	$108 \div 12 = 9$
49	$9 \times 7 = 63$	$70 \div 7 = 10$	84	$9 \times 12 = 108$	$120 \div 12 = 10$
56	$10 \times 7 = 70$	$77 \div 7 = 11$	96	$10 \times 12 = 120$	$132 \div 12 = 11$
63	$11 \times 7 = 77$	$84 \div 7 = 12$	108	$11 \times 12 = 132$	$144 \div 12 = 12$
70	$12 \times 7 = 84$		120	$12 \times 12 = 144$	
77			132		
84			144		

Key vocabulary

What is 4 **times** 7?

What is 8 **multiplied by** 12?

What is 72 **divided by** 6?

What is 63 **shared between** 7?

What is 132 **divided into groups of** 12?

Top Tips

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