



### 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**.

<b>Count in</b>	$0 \times 9 = 0$	$9 \div 9 = 1$	<b>Count in</b>	$0 \times 11 = 0$	$11 \div 11 = 1$
<u>9s</u>	$1 \times 9 = 9$	$18 \div 9 = 2$	<u>11s</u>	$1 \times 11 = 11$	$22 \div 11 = 2$
0	$2 \times 9 = 18$	$27 \div 9 = 3$	0	$2 \times 11 = 22$	$33 \div 11 = 3$
9	$3 \times 9 = 27$	$36 \div 9 = 4$	11	$3 \times 11 = 33$	$44 \div 11 = 4$
18	$4 \times 9 = 36$	$45 \div 9 = 5$	22	$4 \times 11 = 44$	$55 \div 11 = 5$
27	$5 \times 9 = 45$	$54 \div 9 = 6$	33	$5 \times 11 = 55$	$66 \div 11 = 6$
36	$6 \times 9 = 54$	$63 \div 9 = 7$	44	$6 \times 11 = 66$	$77 \div 11 = 7$
45	$7 \times 9 = 63$	$72 \div 9 = 8$	55	$7 \times 11 = 77$	$88 \div 11 = 8$
54	$8 \times 9 = 72$	$81 \div 9 = 9$	66	$8 \times 11 = 88$	$99 \div 11 = 9$
63	$9 \times 9 = 81$	$90 \div 9 = 10$	77	$9 \times 11 = 99$	$110 \div 11 = 10$
72	$10 \times 9 = 90$	$99 \div 9 = 11$	88	$10 \times 11 = 110$	$121 \div 11 = 11$
81	$11 \times 9 = 99$	$108 \div 9 = 12$	99	$11 \times 11 = 121$	$132 \div 11 = 12$
90	$12 \times 9 = 108$		110	$12 \times 11 = 132$	
99			121		
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  $70 \times 9$  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 90seconds.

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



### 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**.

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

#### 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?

They should be able to answer these questions in any order, including missing number questions,

e.g.  $7 \times \bigcirc = 63$  or  $\bigcirc \div 12 = 9$ .

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