



Key Instant Recall Facts (KIRFs)

Year 4 Spring term 2

I know multiplication and division facts for the 9x, 11x and 12x tables

$1 \times 9 = 9$	$9 \div 9 = 1$	$1 \times 11 = 11$	$11 \div 11 = 1$	$1 \times 12 = 12$	$12 \div 12 = 1$
$2 \times 9 = 18$	$18 \div 9 = 2$	$2 \times 11 = 22$	$22 \div 11 = 2$	$2 \times 12 = 24$	$24 \div 12 = 2$
$3 \times 9 = 27$	$27 \div 9 = 3$	$3 \times 11 = 33$	$33 \div 11 = 3$	$3 \times 12 = 36$	$36 \div 12 = 3$
$4 \times 9 = 36$	$36 \div 9 = 4$	$4 \times 11 = 44$	$44 \div 11 = 4$	$4 \times 12 = 48$	$48 \div 12 = 4$
$5 \times 9 = 45$	$45 \div 9 = 5$	$5 \times 11 = 55$	$55 \div 11 = 5$	$5 \times 12 = 60$	$60 \div 12 = 5$
$6 \times 9 = 54$	$54 \div 9 = 6$	$6 \times 11 = 66$	$66 \div 11 = 6$	$6 \times 12 = 72$	$72 \div 12 = 6$
$7 \times 9 = 63$	$63 \div 9 = 7$	$7 \times 11 = 77$	$77 \div 11 = 7$	$7 \times 12 = 84$	$84 \div 12 = 7$
$8 \times 9 = 72$	$72 \div 9 = 8$	$8 \times 11 = 88$	$88 \div 11 = 8$	$8 \times 12 = 96$	$96 \div 12 = 8$
$9 \times 9 = 81$	$81 \div 9 = 9$	$9 \times 11 = 99$	$99 \div 11 = 9$	$9 \times 12 = 108$	$108 \div 12 = 9$
$10 \times 9 = 90$	$90 \div 9 = 10$	$10 \times 11 = 110$	$110 \div 11 = 10$	$10 \times 12 = 120$	$120 \div 12 = 10$
$11 \times 9 = 99$	$99 \div 9 = 11$	$11 \times 11 = 121$	$121 \div 11 = 11$	$11 \times 12 = 132$	$132 \div 12 = 11$
$12 \times 9 = 108$	$108 \div 9 = 12$	$12 \times 11 = 132$	$132 \div 11 = 12$	$12 \times 12 = 144$	$144 \div 12 = 12$

Top Tips

- The secret to success is practising little and often.
- Try choosing one or two facts to focus on each day.
- Ensure that your children understand the link between the multiplication and division facts. E.g. If $9 \times 7 = 63$, then $63 \div 7 = 9$ and $63 \div 9 = 7$

Questions to Ask

- How does knowing $12 \times 10 = 120$, help you answer 12×9 ?
- What patterns do you notice in the 9x and 11x tables?
- What multiplication fact have you used to answer your division question?

Game / Activity Ideas

- Roll a dice. Multiply the number by 9, 11 and 12.
 - www.timetables.co.uk
- How many 12 x table multiplication and division facts can you write down in 2 minutes.
- Find out as many tricks as you can to help you with the 9x table.