

Key Instant Recall Facts

This half term your child is working towards achieving knowledge of KIRFs, indicated below.
The ultimate aim is for your child to be able to recall these facts **instantly!**

<p>This half term's KIRF is....</p> <p><i>I know the multiplication and division facts for the 3 times table and their relationship to the 6 times table.</i></p>	$3 \times 1 = 3$	$3 \div 3 = 1$	$6 \times 1 = 6$	$6 \div 6 = 1$
	$3 \times 2 = 6$	$6 \div 3 = 2$	$6 \times 2 = 12$	$12 \div 6 = 2$
	$3 \times 3 = 9$	$9 \div 3 = 3$	$6 \times 3 = 18$	$18 \div 6 = 3$
	$3 \times 4 = 12$	$12 \div 3 = 4$	$6 \times 4 = 24$	$24 \div 6 = 4$
	$3 \times 5 = 15$	$15 \div 3 = 5$	$6 \times 5 = 30$	$30 \div 6 = 5$
	$3 \times 6 = 18$	$18 \div 3 = 6$	$6 \times 6 = 36$	$36 \div 6 = 6$
	$7 \times 3 = 21$	$21 \div 7 = 3$	$7 \times 6 = 42$	$42 \div 7 = 6$
	$8 \times 3 = 24$	$24 \div 8 = 3$	$8 \times 6 = 48$	$48 \div 8 = 6$
	$9 \times 3 = 27$	$27 \div 9 = 3$	$9 \times 6 = 54$	$54 \div 9 = 6$
	$10 \times 3 = 30$	$30 \div 10 = 3$	$10 \times 6 = 60$	$60 \div 10 = 6$
	$11 \times 3 = 33$	$33 \div 11 = 3$	$11 \times 6 = 66$	$66 \div 11 = 6$
	$12 \times 3 = 36$	$36 \div 12 = 3$	$12 \times 6 = 72$	$72 \div 12 = 6$

Key Vocabulary

What is 3 **multiplied by** 8?

What is 8 **times** 3?

What is 24 **divided by** 6?

What is 6 **times** 6?

Top Tips

Songs and Chants – You can buy Times Tables CDs or find multiplication songs and chants online. If your child creates their own song, this can make the times tables even more memorable.

Buy one get three free – If your child knows one fact (e.g. $3 \times 5 = 15$), can they tell you the other three facts in the same fact family?

Warning! – When creating fact families, children sometimes get confused by the order of the numbers in the division number sentence. It is tempting to say that the biggest number goes first, but it is more helpful to say that the answer to the multiplication goes first, as this will help your child more in later years when they study fractions, decimals and algebra.

E.g. $8 \times 6 = 48$. The answer to the multiplication is 48, so $48 \div 6 = 8$ and $48 \div 8 = 6$