

KEY INSTANT RECALL FACTS

YEAR 3 – SUMMER 1

I KNOW THE 8 X TABLE AND RELATED DIVISION FACTS

By the end of this half term, children should be able to rapidly recall all the 8 x tables up to 12 x 8. They should also be able to use this knowledge to work our related division facts e.g. $5 \times 8 = 40$ so $40 \div 8 = 5$

Please note, where we have provided links to online activities we expect children to seek parent/carer permission to do this first.

As a starting point, children should learn to count in 8s to 96:

0 8 16 24 32 40 48 56 72 80 88 96

Once this is known, children can start to calculate what $2 \times 8 =$, $5 \times 8 =$, $9 \times 8 =$ etc would look like. For example, to calculate $6 \times 8 =$ simply count in eights using six fingers.

Top tip: There is a pattern to the answers in the 8 times table which may be helpful.

8	x	1	=	8
8	x	2	=	16
8	x	3	=	24
8	x	4	=	32
8	x	5	=	40
8	x	6	=	48
8	x	7	=	56
8	x	8	=	64
8	x	9	=	72
8	x	10	=	80

If you look at the number of ones in the answers, there is a pattern for every five numbers; they go down in twos. So, 8, 16, 24, 32 and 40 have ones of 8, 6, 4, 2 and 0. The pattern is then repeated.

This also continues beyond $11 \times 8 = 88$ up to $20 \times 8 = 160$. Do you think it goes beyond this?

$8 \times 11 = 88$	$8 \times 16 = 128$
$8 \times 12 = 96$	$8 \times 17 = 136$
$8 \times 13 = 104$	$8 \times 18 = 144$
$8 \times 14 = 112$	$8 \times 19 = 152$
$8 \times 15 = 120$	$8 \times 20 = 160$

Practice, practice, practice

Complete the questions on this page and then play the 8 x table pairs game at the end:

<https://www.timestables.co.uk/8-times-table.html>



Instant Recall

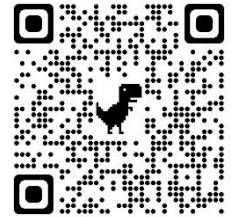
Once you understand how the 8 times table works, you just need to be able to recall the answers as rapidly as possible. Practice as much as possible and use the facts you have learnt to solve division problems too. Here are some games to make this more fun.

Tug of war

A two player game – why not see how quick (or slow) the adults at home are? Use your laptop or tablet to access the following link or to scan the QR code:

<https://ictgames.com/mobilePage/tugofwar/index.html>

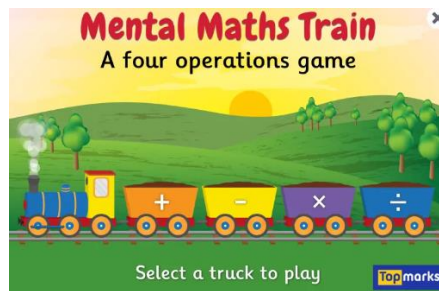
To start, select 8 x table from the menu and click 'start'. Then beat your opponent by answering your questions more quickly.



Mental Maths Train

Choose either x or ÷ on the trucks and then either 8 x table or ÷ 8 to play.

<https://www.topmarks.co.uk/maths-games/mental-maths-train>



Tommy's Trek

Simply choose 8 x table and choose your level options to play.

<https://www.topmarks.co.uk/Search.aspx?q=8+times+table+game+with>

