

Key Instant Recall Facts

Year 3 – Spring 1

I know multiplication and division facts for x4 and x8 tables.

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **instantly**.

$1 \times 4 = 4$	$4 \div 4 = 1$	$1 \times 8 = 8$	$8 \div 8 = 1$
$2 \times 4 = 8$	$8 \div 4 = 2$	$2 \times 8 = 16$	$16 \div 8 = 2$
$3 \times 4 = 12$	$12 \div 4 = 3$	$3 \times 8 = 24$	$24 \div 8 = 3$
$4 \times 4 = 16$	$16 \div 4 = 4$	$4 \times 8 = 32$	$32 \div 8 = 4$
$5 \times 4 = 20$	$20 \div 4 = 5$	$5 \times 8 = 40$	$40 \div 8 = 5$
$6 \times 4 = 24$	$24 \div 4 = 6$	$6 \times 8 = 48$	$48 \div 8 = 6$
$7 \times 4 = 28$	$28 \div 4 = 7$	$7 \times 8 = 56$	$56 \div 8 = 7$
$8 \times 4 = 32$	$32 \div 4 = 8$	$8 \times 8 = 64$	$64 \div 8 = 8$
$9 \times 4 = 36$	$36 \div 4 = 9$	$9 \times 8 = 72$	$72 \div 8 = 9$
$10 \times 4 = 40$	$40 \div 4 = 10$	$10 \times 8 = 80$	$80 \div 8 = 10$
$11 \times 4 = 44$	$44 \div 4 = 11$	$11 \times 8 = 88$	$88 \div 8 = 11$
$12 \times 4 = 48$	$48 \div 4 = 12$	$12 \times 8 = 96$	$96 \div 8 = 12$

Key Vocabulary

What is 4 **multiplied by** 6?

What is 8 **times** 4?

What is 24 **divided by** 4?

What is 8 **multiplied by** 6?

What is 8 **times** 8?

What is 24 **divided by** 8?

They should be able to answer these questions in any order, including missing number questions e.g. $4 \times \bigcirc = 16$ or $\bigcirc \div 4 = 7$.



Top Tips

Tricks:

What do you already know? – Your child will already know many of these facts from the 2, 3, 5 and 10 times tables.

Double and double again – Multiplying a number by 4 is the same as doubling and doubling again. Double 6 is 12 and double 12 is 24, so $6 \times 4 = 24$.

Double your fours – Multiplying a number by 8 is the same as multiply by 4 and then doubling the answer. $8 \times 4 = 32$ and double 32 is 64, so $8 \times 8 = 64$.

Five six seven eight – fifty-six is seven times eight ($56 = 7 \times 8$).

Buy one get three free – If your child knows one fact (e.g. $12 \times 4 = 48$), can they tell you the other three facts in the same fact family?

Online songs – <https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4>

Online games - <https://www.topmarks.co.uk/maths-games/hit-the-button>
<https://www.topmarks.co.uk/maths-games/mental-maths-train>