



# Key Instant Recall Facts

## Year 3 – Spring 1

### Key Vocabulary

- What is 4 **multiplied by** 8?
- What is 6 **times** 4?
- What are 7 **lots of** 4?
- What is 32 **grouped into** 4s?
- What is 28 **divided by** 4?
- What is 36 **shared by** 4?

$$\begin{array}{r} \times 6 \\ 4 \\ \hline \end{array}$$
$$4 \times 6 = 24$$

$$12 \div 4$$
$$= 3$$

3 groups of 4

36			
9	9	9	9

$$36 \div 4 = 9 \quad 9 \times 4 = 36$$

### 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 family of the day.

Please see the class teacher if you are unsure of their log in details.

## I aspire to know the multiplication and division facts for the 4x table.

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

$4 \times 0 = 0$	$0 \times 4 = 0$	$4 \div 4 = 1$	$4 \div 1 = 4$
$4 \times 1 = 4$	$1 \times 4 = 4$	$8 \div 4 = 2$	$8 \div 2 = 4$
$4 \times 2 = 8$	$2 \times 4 = 8$	$12 \div 4 = 3$	$12 \div 3 = 4$
$4 \times 3 = 12$	$3 \times 4 = 12$	$16 \div 4 = 4$	$16 \div 4 = 4$
$4 \times 4 = 16$	$4 \times 4 = 16$	$20 \div 4 = 5$	$20 \div 5 = 4$
$4 \times 5 = 20$	$5 \times 4 = 20$	$24 \div 4 = 6$	$24 \div 6 = 4$
$4 \times 6 = 24$	$6 \times 4 = 24$	$28 \div 4 = 7$	$28 \div 7 = 4$
$4 \times 7 = 28$	$7 \times 4 = 28$	$32 \div 4 = 8$	$32 \div 8 = 4$
$4 \times 8 = 32$	$8 \times 4 = 32$	$36 \div 4 = 9$	$36 \div 9 = 4$
$4 \times 9 = 36$	$9 \times 4 = 36$	$40 \div 4 = 10$	$40 \div 10 = 4$
$4 \times 10 = 40$	$10 \times 4 = 40$	$44 \div 4 = 11$	$44 \div 11 = 4$
$4 \times 11 = 44$	$11 \times 4 = 44$	$48 \div 4 = 12$	$48 \div 12 = 4$
$4 \times 12 = 48$	$12 \times 4 = 48$		

Children should be able to answer these questions in any order, including missing number questions e.g.  $4 \times \bigcirc = 16$  or  $\bigcirc \div 4 = 8$ . Children should also be making links between number facts e.g. "I know  $4 \times 4 = 16$ , and that  $8 \times 4$  is double  $4 \times 4$ , so  $8 \times 4 = 32$ ."

### You could try some of these ideas...

#### What do you already know?

Your child will already know many of these facts from the 2, 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  $6 \times 4 = 24$

#### Buy one get three free

If your child knows one fact (e.g.  $12 \times 4 = 48$ ), can they tell you the other 3 facts in the same family?  
( $4 \times 12 = 48$ ,  $48 \div 4 = 12$  and  $48 \div 12 = 4$ )

**Practise online** – use your child's personal Times Table Rock stars log in at <https://trockstars.com>  
<http://www.conkermaths.org/cmweb.nsf/products/conkerkirfs.html> is another good website to use.