



KEY INSTANT RECALL FACTS

STAGE: 5

SUMMER: 2

I know the multiplication and division facts for all times tables up to 12×12 and can give factor pairs for a given number. I can multiply pairs of multiple of 10 and a multiple of 100 by a single digit number and divide a multiple of 10 by a single digit number.

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

$12 \times 6 = 72$	$24 = 4 \times 6$	$60 \times 30 = 1800$
$8 \times 7 = 56$	$24 = 8 \times 3$	$40 \times 50 = 2000$
$9 \times 7 = 63$	$56 = 7 \times 8$	$80 \div 4 = 20$
$6 \times 11 = 66$	$54 = 9 \times 6$	$270 \div 3 = 90$
$132 \div 12 = 11$	$42 = 6 \times 7$	$900 \times 8 = 7200$
$72 \div 9 = 8$	$25 = 5 \times 5$	$500 \times 8 = 4000$
$96 \div 12 = 8$	$84 = 7 \times 12$	
$108 \div 9 = 12$	$15 = 5 \times 3$	

Key Vocabulary

Can you find a **factor** of 28?

Find two numbers whose **product** is 20.

I know that 6 is a factor of 72 because 6 multiplied by 12 equals 72.

They should be able to answer tables questions in any order, including missing number questions e.g. $12 \times \bigcirc = 84$ or $\bigcirc \div 6 = 7$. They should also be able to list all factor pairs for a given number e.g. for 12 the factor pairs are: 1×12 , 2×6 , 3×4 .

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 of the day. If you would like more ideas, please speak to your child's teacher.

Play games - There is an activity at www.conkermaths.org to practise finding factor pairs <http://www.arcademics.com/games/meteor/meteor.html> is a game to practise multiplication facts.

Think of the question – One player thinks of a times table question (e.g. 4×12) and states the answer. The other player has to guess the original question.

Use memory tricks – For those hard-to-remember facts, www.multiplication.com has some strange picture stories to help children remember.