



# Key Instant Recall Facts

Year 5 – Autumn Term 2

By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy**:

I can identify multiples and factors  
up to  $12 \times 12$

Children should be able to quickly recall multiples and factors of products up to  $12 \times 12$ ; this KIRF allows pupils to practise their times table facts (multiples), as well as their ability to quickly recall factors of these products.

Find the factors of the product of  $8 \times 8$

$$8 \times 8 = 64$$

*Factor pairs of 64 =*

$$1 \times 64, 2 \times 32, 4 \times 16, 8 \times 8$$

Find the eighth multiple of 9 then find the product's factors

$$8 \times 9 = 72$$

*Factor pairs of 72 =*

$$1 \times 72, 2 \times 36, 3 \times 24, 4 \times 18, 6 \times 12, 8 \times 9$$

## Key vocabulary

Can you calculate the 7<sup>th</sup> multiple of 12?

Identify the factor pairs of the product of  $8 \times 5$

## Top tips

The secret to success is practising *little* and *often*. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

## Practical resources and ideas

Use a multiplication grid to choose a product then find that product's factors.

Chant times tables to  $12 \times 12$  to practise, then quiz your child on randomly selected multiples, e.g. What is the sixth multiple of 11? What is the ninth multiple of 3?