Key Instant Recall Facts

Year 5 – Spring 2

I can find factor pairs of a number and identify prime numbers up to 20.

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

A prime number is a number with no factors other than itself and one.

*The following numbers are prime numbers: **2, 3, 5, 7, 11, 13, 17, 19***

A composite number is divisible by a number other than 1 or itself
Children should be able to explain how they know that a number is composite.
E.g. 15 is composite because it is a multiple of 3 and 5.

*The following numbers are composite numbers: **4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20***

Children should now know all multiplication and division facts up to 12 × 12. When given a number in one of these times tables, they should be able to state a factor pair which multiply to make this number. For example, 24 = 4 × 6   24 = 8 × 3

Key Vocabulary
Prime number
Composite number
Multiple
factor

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. It's really important that your child uses mathematical vocabulary accurately. Choose a number between 2 and 20. How many correct statements can your child make about this number using the vocabulary above? 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

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.

Make a set of cards for the numbers from 2 to 20. How quickly can your child sort these into prime and composite numbers? How many even prime numbers can they find? How many odd composite numbers