



Key Instant Recall Facts

Year 5 Spring 1a

I can identify prime numbers up to 20

By the end of this half term, children should know the factor pairs of numbers in the times tables. The aim is for them to recall these facts fairly **instantly**.

<p>A prime number is a number with no factors other than itself and one.</p> <p>The following numbers are prime numbers: 2, 3, 5, 7, 11, 13, 17, 19</p> <p>A composite number is divisible by a number other than 1 or itself.</p> <p>The following numbers are composite numbers: 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20</p>	<p>Key vocabulary</p> <p>Prime number Composite number Factor Multiple</p>
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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.

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?

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?



Key Instant Recall Facts

Year 5 Spring 1b

I can recall square numbers up to 144 and their square roots

By the end of this half term, children should know the factor pairs of numbers in the times tables. The aim is for them to recall these facts fairly **instantly**.

A square number is a number multiplied by itself:	These facts are related to the square roots:
$1 \times 1 = 1$	$\sqrt{1} = 1$
$2 \times 2 = 4$	$\sqrt{4} = 2$
$3 \times 3 = 9$	$\sqrt{9} = 3$
$4 \times 4 = 16$	$\sqrt{16} = 4$
$5 \times 5 = 25$	$\sqrt{25} = 5$
$6 \times 6 = 36$	$\sqrt{36} = 6$
$7 \times 7 = 49$	$\sqrt{49} = 7$
$8 \times 8 = 64$	$\sqrt{64} = 8$
$9 \times 9 = 81$	$\sqrt{81} = 9$
$10 \times 10 = 100$	$\sqrt{100} = 10$
$11 \times 11 = 121$	$\sqrt{121} = 11$
$12 \times 12 = 144$	$\sqrt{144} = 12$

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.

Top Tips

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