

## <u>Key Instant Recall Facts</u>

### Year 5 – Summer Term 1

# I can recall square numbers up to 12<sup>2</sup> and their square roots

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

$1^2 = 1 \times 1 = 1$	$\sqrt{1} = 1$	
$2^2 = 2 \times 2 = 4$	$\sqrt{4} = 2$	
$3^2 = 3 \times 3 = 9$	$\sqrt{9} = 3$	Vau vonahulani
$4^2 = 4 \times 4 = 16$	$\sqrt{16} = 4$	<u>Key vocabulary</u>
$5^2 = 5 \times 5 = 25$	$\sqrt{25} = 5$	What is 7 squared?
$6^2 = 6 \times 6 = 36$	$\sqrt{36} = 6$	What is 7 multiplied by
$7^2 = 7 \times 7 = 49$	$\sqrt{49} = 7$	itself?
$8^2 = 8 \times 8 = 64$	$\sqrt{64} = 8$	What is the square root of
$9^2 = 9 \times 9 = 81$	$\sqrt{81} = 9$	144? Is 30 a square number?
$10^2 = 10 \times 10 = 100$	$\sqrt{100} = 10$	19 50 a square name.
$11^2 = 11 \times 11 = 121$	$\sqrt{121} = 11$	
$12^2 = 12 \times 12 = 144$	$\sqrt{144} = 12$	

### 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 do not 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.

#### Practical resources

Cycling squares – At http://nrich.maths.org/1151 there is a challenge involving square numbers. Can you complete the challenge and then create your own examples?