

Key Instant Recall Facts

Year 5 – Summer 2



I can recall square numbers up to 12² 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**.

$1^2 = 1 \times 1 = 1$	v1 = 1
$2^2 = 2 \times 2 = 4$	√ 4 = 2
$3^2 = 3 \times 3 = 9$	√ 9 = 3
$4^2 = 4 \times 4 = 16$	√16 = 4
5 ² = 5 x 5 = 25	√25 = 5
$6^2 = 6 \times 6 = 36$	√36 = 6
$7^2 = 7 \times 7 = 49$	√ 49 = 7
8 ² = 8 x 8 = 64	√64 = 8
9 ² = 9 x 9 = 81	√81 = 9
$10^2 = 10 \times 10 = 100$	√ 100 = 10
11 ² = 11 x 11 = 121	√ 121 = 11
$12^2 = 12 \times 12 = 144$	√144 = 12



What is 7 squared? What is 7 multiplied by itself? What is the square root of 144? Is 30 a square number?

Children should also be able to recognise whether a number below 150 is a square number or not.

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.

<u>**Online games**</u> – You can use Education City songs and websites www.timestables.co.uk and www.timestables.me.uk

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

Use memory tricks – For those hard-to-remember facts,

www.multiplication.com has some strange picture stories to help children remember.