

Key Instant Recall Facts

Year 5 – Spring 1

I can recall square numbers and cube number.

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

$\sqrt{1}$ = 1
$\sqrt{4} = 2$
$\sqrt{9} = 3$
$\sqrt{16} = 4$
$\sqrt{25} = 5$
$\sqrt{36} = 6$
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$\sqrt{49} = 7$
$\sqrt{64} = 8$
$\sqrt{81}$ = 9
$\sqrt{100} = 10$
$\sqrt{121} = 11$
$\sqrt{144} = 12$

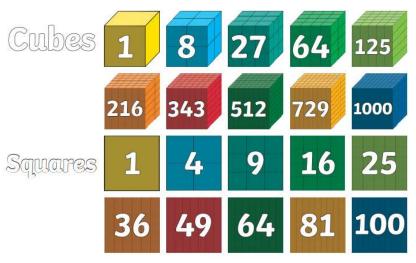
Key Vocabulary

What is 8 squared?

What is 7 multiplied by itself?

What is the **square root** of 144?

Is 81 a square number?



Children should also be able to recognise whether a number below 150 is a square/ cube 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 don't need to practise them all at once: perhaps you could have a fact of the day.

<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?