Withycombe Raleigh C. of E. Primary School · Est. 1865

I can recall square numbers to 144 and their square roots

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

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

Key Vocabulary

What is —— squared?

What is __ multiplied by itself?

What is the square root of __?

Is __ a square number?

Children should know whether a number below 150 is a square number or not.

Top Tips

It is important to practise these facts **little** and **often**. You do not have to practise them all at once; you could choose a fact for the day. You could practise these KIRFs whilst on the walk to school or on a car journey. If you would like more ideas on how to support your child's learning, please speak to their teacher.

Things to try at home

- Use online times tables games such as TTRockStars or Hit The Button.
- For hard to remember facts, www.multiplication.com has picture stories and games.
- At Cycling Squares | NRICH there is a challenge involving square numbers.