Key Instant Recall Facts

Year 5: Spring 1

Donnington Wood CE Junior School

Target: I can recall square numbers up to 12² and cube numbers within 150.

By the end of this half term, children in Year 5 should know the following facts and be able to recall them **instantly**:

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

1^3	1 x 1 x 1 = 1
2^3	2 x 2 x 2 = 8
3^3	3 x 3 x 3 = 27
4^3	4 x 4 x 4 = 64
5^3	5 x 5 x 5 = 125

Key Vocabulary

square number, squared, multiply, multiplied by itself, square root

Examples of Key Questions

What is 7 squared?

What is 11 multiplied by itself?

What is the square root of 144?

100 is what number squared?

Is 121 a square number? How do you know?

Children should also be able to recognise whether a number below 150 is a square number or not. They should also begin to complete simple calculations for larger numbers using their knowledge of square numbers, e.g. 24^2.

Top Tips to help at home

The secret to success is to practise **little** and **often**. Use your time wisely. Can you practise these facts whilst walking to school, during a car journey or even at breakfast? You don't need to learn them all at once: perhaps try learning a fact a day.

Sing songs or chants – Mr DeMaio, Laugh Along and Learn and Numberock all have song catchy tunes to help your child to remember their multiplication tables on YouTube. These are crucial for being able to recall square numbers.

Use memory tricks – For those hard-to-remember facts, www.multiplication.com has some great strategies to help your child improve their recall including rhymes, picture stories and games.

Useful website links

Times Table Rockstars – Every child has their own account.	Hit the Button Square numbers	BBC Bitesize Square and cube numbers	Timestables.co.uk Lots of different games	Wordwall.net Lots of different games