## KIRF: I can recall square numbers up to $12^{2}$ and their square roots.

Square numbers have an odd number of factors and are the result of multiplying a whole number by itself.
The aim is for children to recall square numbers up to $12^{2}$ instantly.


## Questions to ask at home

What is 8 squared?
What is 7 multiplied by itself?
What is the square root of 144 ?
Is 81 a square number?

## Key vocabulary

Notation- A symbol. The notation ${ }^{2}$ means squared e.g. $5^{2}$ is 5 squared, $5 \times 5=25$

Square number- The result when a number has been multiplied by itself.

Square root- A square root of a number is a value that, when multiplied by itself, gives the number. e.g. the square root of 9 is 3

## Things to try

Around the clock- think of a clock face. What are each of the numbers a square root of? E.g. 12: 12 is the square root of 144 .

What are each of the numbers squared?
Dice roll- whatever the number lands on, square it
Cards- turn a card over, square it and call out the answer. Can you say the answer quicker than your partner?

## Websites:

https://www.topmarks.co.uk/maths-games/hit-the-button
https://mathszone.co.uk/using-applying/puzzles-and-logic-problems/splat-square100-primary-games-3/
https://wordwall.net/resource/9919606/maths/whack-square
https://whiterosemaths.com/homelearning/year-5/week-9-number-multiplication-division/

