

# Year 5 KIRF Spring 1

Key instant recall facts (KIRFS) are designed to support the development of key arithmetic skills which underpin much of the maths learning at school. Supporting your child(ren) in learning these facts and being able to recall them quickly will help enormously with progression in maths.

Ways you could help your children to learn these:

## **Recall square numbers up to 144 and know the notation for squared (<sup>2</sup>)**

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

### **Ways you could help your child to learn these:**

Playing bingo – linking the squared number to its root

Giving children a number to retell the squared number it would make

Youtube songs - <https://www.youtube.com/watch?v=jYUaP7kDPdk>

Square number tennis- could be verbally or with ball- one person says a number to square, other person says the squared number. Eg- 4 then 16

### **Other websites which might be useful:**

[Times Tables Rock Stars – Times Tables Rock Stars \(ttrockstars.com\)](https://www.ttrockstars.com)

[Maths Games - Topmarks Search \(https://www.topmarks.co.uk\)](https://www.topmarks.co.uk)

Purple mash maths games - [Purple Mash by 2Simple](https://www.purplemash.co.uk)