

## - Key Instant Recall Facts Year 5 - Spring Term 2

By the end of this half term, children should know the following facts. The aim is for them to recall these facts with speed and accuracy:

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

## Children should know the following square

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

## Key vocabulary

What is 7 squared?
What is 7 multiplied by itself?
What is the square root of 144?

## Top tips

The secret to success is practising little and often Use time wisely. Can you practise this
KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise? If you would like more ideas, please speak to your child's teacher.

## Practical resources and ideas

Cycling squares: At http://nrich.maths.org/II5|, there is a challenge involving square numbers. Can you complete the challenge and then create your own examples?

