Key Instant Recall Facts

This half term your children are working towards achieving their individual KIRF targets, indicated below. The ultimate aim is for your child to be able to recall these facts instantly!

To know cube numbers and cube roots to 5 x 5 x 5

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

1^3	1 x 1 x 1 =	1
2^3	2 x 2 x2 =	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

Cube Root
A cube root goes in the other direction (inverse)
3 cubed is 27, so the cube root of 27 is 3

Cube →
← Cube Root

$$\sqrt[3]{27} = 3$$

1	1
2	8
3	27
4	64
5	125

Perhaps your child could create their own cube spinner and create a game to play to practise the facts.

1^3 3^3 4^3 5^3 2^3

KEY VOCABULARY and QUESTIONS
multiplied/cube/cubed/cube root
What is 3 cubed? Explain how you know
How do you cube a number? Show me
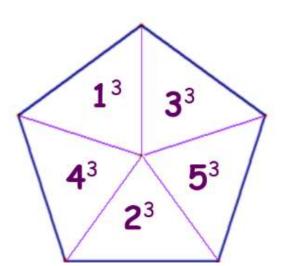*What is 5^3? Write it out in full*
Is 36 a cube number? Prove it!

Top Tips
The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could have a fact of the day. Building confidence in mathematics is crucial so be pleased with their efforts and always encourage with praise. Make sure these practice sessions are enjoyable - if your child is really not in the mood it is the wrong time to be practising! If you would like more ideas, please speak to your child's teacher.