



WHERE YOUNG
MINDS SHINE

A parent's guide to calculation skills.



At Kirton Lindsey School we adopt a mastery approach in our teaching of mathematics.

We believe:

All pupils can achieve

Keeping the class working together so that all can access and master mathematics.

Use of same or next day intervention, if needed to enable all children to move on to the next lesson at the same time.

Development **of deep** mathematical understanding.

Longer time on key topics, providing time to go deeper and embed learning.



- As part of the mastery approach we have adopted the Concrete, Pictorial and Abstract (CPA) model.

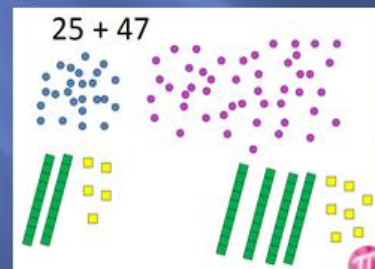
Concrete

- Using solid, hands on resources to help with the understanding of maths.
- It is important to use practical resources to ensure children understand the process of calculations, such as making a number ten times bigger or increasing a number by 12 means we now have 12 more of something, rather than maths just being an abstract activity that 'we just do'.



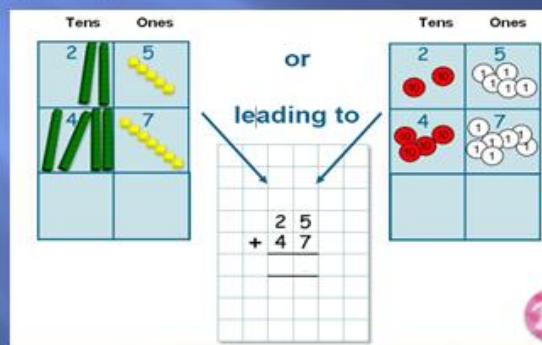
Pictorial

- Using diagrams and images to represent numbers and symbols.
- Here, children move away from physical, hands on objects and instead use pictures for demonstrations and also recording.



Abstract

- Moving onto the use of numbers and symbols in a conventional written method.



As your child progresses through school the methods of calculation they are taught will change. Enclosed within this booklet is an example of the progression in the four rules of number we follow and what that looks like as an example.

If you have any questions regarding mathematics please do not hesitate to contact me

patkinson@kirtonlindseyschool.co.uk or

book an appointment through the school office.

