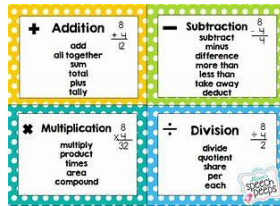


What makes a good mathematician?

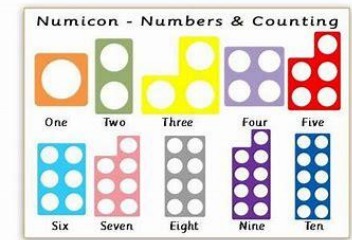
To develop an understanding of mathematical vocabulary, the important concepts and an ability to make connections within mathematics.



To be able to think independently and to persevere when faced with challenges and learn from mistakes.



To be able to make links between practical equipment, pictures and abstract numbers



To develop the ability to show initiative in solving problems in a wide range of contexts, including the new or unusual.



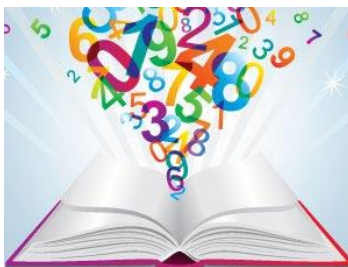
Intent

- To ensure the children have a sound understanding of all mathematical concepts, we use the CPA approach (Concrete, Pictorial and Abstract). Children need to make links between practical equipment, pictures and abstract numbers because they learn in different ways. The CPA approach helps children learn new ideas and build on their existing knowledge by introducing abstract concepts in a more familiar and tangible way.
- We build on this with rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems.
- This ensures that across the Children First Learning Partnership we provide a high quality maths curriculum that is both challenging and enjoyable, whilst expanding inquisitive and resilient minds.

To develop fluency in performing written and mental calculations and mathematical techniques.



To develop the ability to reason, generalise and make sense of solutions through explanations.



To be able to develop a broad range of skills in using and applying mathematics.

