- Vocabulary
- Strategy Toolbox


## Agenda

- Multiplication
- The Standard Algorithm
- The Area Model
- The Lattice Method
- Division
- Short Division, Line and Dot Strategy
- Division Lattice Method
- Division Box Method
- Strategy Toolbox Reflection
- Support Materials and Resources
- Questions
- Feedback
- Sandpit Time (Time permitting)


## Vocabulary

It is critical for students to understand and use maths terminology in daily maths lessons. Maths
has a language of its own. Sometimes it uses symbols and sometimes the written word, but there is no denying that Maths is a language.

## Maths terminology plays a criticel part in understanding maths concepts.

## Strategy Toolbox

A student with strong number sense, will learn to select the best TOOL, or the most efficient strategy, from the BOX to solve a problem.

What works for one student may be very different to what works for another. Everyone has their own personal TOOL BOX

# Multiplication 

The Standard Algorithm
The Area Model
The Lattice Method

Can you solve $29 \times 5=$ ? Can you explain how you solved it to someone else?


$$
34 \times 6=?
$$

6 \begin{tabular}{|c|c|}
\hline 30 \& 4 <br>
\hline $30 \times 6$ \& $4 \times 6$ <br>
180 \& 24

$\quad$

180 <br>
+24 <br>
\hline
\end{tabular}

## $63 \times 24=$



The Lattice Method


## $+4$ <br> The Lattice Method

b) We Do

## $312 \times 65$



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## Division

## Short Division, Line and Dot Strategy <br> Division Lattice Method

Division Box Method



## Short Division, Line \& Dot

We Do



# Division Box Method 



## Strategy Toolbox

- Did you discover something new today?
- What strategies worked best for you?
- Can you explain to someone else why that strategy appealed to you best?


## Support Materials and Resources

## Encblers



If a child is struggling to solve problems due to their knowledge of fast facts, provide them with the facts.

## Mathletics



Explore the Multiverse to build upon multiplication and division fact fluency

## MPPS Website

## MILL PARK

@HOME
@Home page of the website is a great resource for families.

Maths Showbag


Generate problems to solve using the playing cards or dice.

