

Welcome  
Maths parent workshop

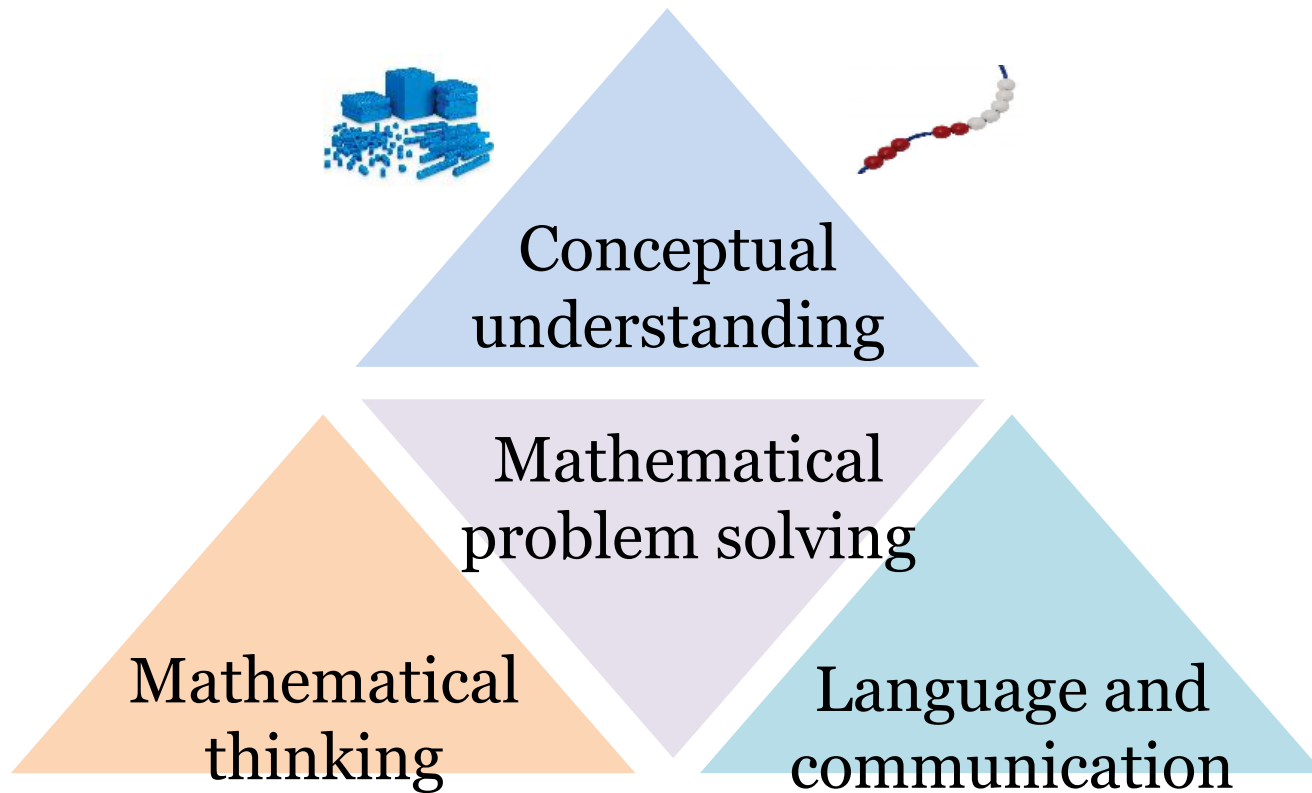


# *The four operations*

KS2: Miss Butac, Miss Vince & Miss Bramson

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# Maths Mastery: Key principles



Drury (2014)

# Place value & vocabulary



<b>Thousands</b>	<b>Hundreds</b>	<b>Tens</b>	<b>Ones</b>
<b>2</b>	<b>3</b>	<b>7</b>	<b>1</b>

# Addition- I



Thousands	Hundreds	Tens	Ones
2	3	7	1
5	9	2	9

Add  
Regroup  
Exchange  
Column method

# Addition- You



$$1) 5637 + 3145$$

$$2) 7564 + 4676$$

Key vocabulary:

Add

Regroup

Exchange

Column method

Is equal to

What do you notice about these two calculations?

# Subtraction- I



Thousands	Hundreds	Tens	Ones
5	4	6	4
	5	2	9

Subtract  
Regroup  
Exchange  
Column method

# Subtraction- You



$$1) 7562 - 4598$$

$$2) 7000 - 4676 = 2434$$

Key vocabulary:

Add

Regroup

Exchange

Column method

Is equal to

In calculation 2, what went wrong?

# Subtraction- You



$$2) 7000 - 4676$$

Key vocabulary:

Add

Regroup

Exchange

Column method

Is equal to

What do you notice about the second calculation?



# Multiplication- I



$$1) 2356 \times 3$$

$$2000 \times 3 = 6000$$

$$300 \times 3 = 900$$

$$50 \times 3 = 150$$

$$6 \times 3 = 18$$

Key vocabulary:

Place holder

Known facts

Multiply

Chunking

Partition

Thousands

Hundreds

Tens

Ones

# Multiplication- I



$$\begin{array}{r} 1) 2356 \\ \times 3 \\ \hline \end{array}$$

Key vocabulary:

Place holder

Known facts

Multiply

Thousands

Hundreds

Tens

Ones

# Multiplication- You



$$1) 4567 \times 4$$

$$2) 5683 \times 5$$

Key vocabulary:

Place holder

Known facts

Multiply

Thousands

Hundreds

Tens

Ones

# Division - I



$$1) 12 \div 3 =$$

12 shared equally into 3 groups

Key vocabulary:

Place holder

Known facts

Multiply

Thousands

Hundreds

Tens

Ones

# Division - I



$$1) 231 \div 7 =$$

Key vocabulary:

Place holder

Known facts

Multiply

Thousands

Hundreds

Tens

Ones

# Division - You



$$1) 15 \div 5 =$$

$$1) 198 \div 9$$

Key vocabulary:

Bus stop method

Short division

*Remainder*

# Year 6 SATS questions

## Addition & subtraction



This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the combined height of the other two mountains?

Show your method

A large grid for showing the method, with a small box labeled 'm' at the bottom right.

2 marks









**Thank you for attending the maths KS2 workshop.**