



**Oral and mental starters**

Fluent in Five  
(Arithmetic starter each day) – go through key revision and make a poster each time.

Tough Ten (EMW)

Problem of the day: White Rose Maths

Rapid reasoning

Bar Model

**Week One (PLACE VALUE)**

Vocab – Decimal number, Decimal place, Tenths, Hundredths, Thousandths, Round to the nearest, Negative integers, Count through zero, Roman numerals, I, V, X, L, C, D, M

Recap Numbers to 10,000

Recap Numbers to 100,000

Recap Numbers to a million

Numbers to 10 million

Compare and order any numbers

Curriculum links – The Ancient Maya – Invented concept of 0

Problem solving – Rapid Reasoning. Problems in class

Practical resources – Place value chart/ Dice

**Week Two (PLACE VALUE)**

Vocab – Decimal number, Decimal place, Tenths, Hundredths, Thousandths, Round to the nearest, Negative integers, Count through zero, Roman numerals, I, V, X, L, C, D, M

Recap Round numbers to 10, 100 and 1,000

Round any number

Activity Negative numbers

Negative numbers

End of Unit Assessment

Curriculum links – The Ancient Maya – Invented concept of 0

Problem solving – Rapid Reasoning. Problems in class

Practical resources – Place value chart/ Dice

**Week Three (Addition and Subtraction)**

Vocab – Decimal number, Decimal place, Tenths, Hundredths, Thousandths, Round to the nearest, Negative integers, Count through zero, Roman numerals, I, V, X, L, C, D, M

Recap Add whole numbers with more than 4 digits (column method)

Recap Subtract whole numbers with more than 4 digits (column method)

Recap Inverse operations (addition and subtraction)

Recap Multi-step addition and subtraction problems

Add and subtract integers

Curriculum links – Ancient Maya

Problem solving – Rapid reasoning, Challenge 3 in class – applying knowledge

Practical resources – Place value chart/ Dice/ problems

**Week four (Multiplication)** Vocab – Derive, Inverse, Product, Multiple, Multiplication facts, Scale up, Division facts

Recap Multiply 4-digits by 1-digit  
Recap Multiply 2-digits (area model)  
Recap Multiply 2-digits by 2-digits  
Recap Multiply 3-digits by 2-digits  
Multiply up to a 4-digit number by a 2-digit number

Curriculum links – Ancient Maya

Problem solving – Rapid Reasoning, Challenge 3 in class

Practical resources – Place value column

**Week Five (Division)** Vocab – Derive, Inverse, Product, Multiple, Multiplication facts, Scale up, Division facts

Recap Divide 4-digits by 1-digit  
Recap Divide with remainders  
Short division  
Division using factors  
Long division (1)

Curriculum links – Ancient Maya

Problem solving – Rapid Reasoning, Challenge 3 in class

Practical resources – Place value column

**Week Six (Multiplication and Division)** Vocab – Derive, Inverse, Product, Multiple, Multiplication facts, Scale up, Division facts

Long division (2)  
Long division (3)  
Long division (4)  
Recap Factors  
Common factors

Curriculum links – Ancient Maya

Problem solving – Rapid Reasoning, Challenge 3 in class

Practical resources – Place value column

**Week Seven (Multiplication and Division)** Vocab – Derive, Inverse, Product, Multiple, Multiplication facts, Scale up, Division facts

Common multiples

Primes to 100

Squares and cubes

Order of operations

Mental calculations and estimation

Reason from known facts

Assessment – End of Unit

Curriculum links – Ancient Maya

Problem solving – Rapid Reasoning, Challenge 3 in class

Practical resources – Place value column