WRITTEN ARITHMETIC					
Place Value and the Number System The Four Operations					
a)	Read and write all numbers to 10,000,000 in figures and words	a) b)	Add two or m Add two or m	ore whole numbers to 1,000,000 ore decimal numbers to 3 decimal	
b)	Order and compare numbers to 10,000,000 (<i>i.e. order the following numbers from smallest to largest</i>)	er c)	places Add numbers	that contain a different number of digits	
c)	Determine the value of each digit in a number to 10,000,000 (<i>i.e. what is the value of the digit 1 in the</i>	d)	(<i>i.e.</i> 6 + 3.26) Add 10/100/1	,000 to any number to 10,000,000	
d)	number 412,589?) Read and write numbers to 3 decimal places	e) f)	Subtract two Subtract two	or more whole numbers to 1,000,000 or more decimal numbers to 3 decimal	
e)	Determine the value of each digit in a decimal number to 3 decimal places	er (places Subtract num	bers that contain a different number of	
f)	Round a whole number to the nearest 10, 100 and 1.000	b)	digits (<i>i.e.</i> 9 – Subtract 10/1	<i>2.7</i> 2) 00/1.000 from any number to	
g)	 Round a decimal number to the nearest tenth and hundredth 		10,000,000 Multiply a number by a single digit (<i>i.e.</i> 437×6)		
h)	Add and subtract negative and positive numbers (<i>i.e</i> $-7 + 15 = 2$)	j) k)	Multiply a nur	nber by a 2-digit number (<i>i.e.</i> 269 x 27) pers that contain decimals (<i>i.e.</i> 45 6 x 9)	
i)	Find the difference between a negative and a positive number (<i>i.e. the temperature is 16</i> °C in London and is		Multiply any number by 10/100/1,000, including decimals to 3 decimal places (<i>i</i> e 112x100, 0.067x10)		
	-27°C in Moscow. What is the difference?)) Divide a num	Divide a number by a single digit (<i>i.e.</i> $448 \div 8$)	
j) k)	Recognise and use square numbers up to 12 ²		Divide a number by a 2-digit number (i.e. $1513 \div 17$) Divide numbers that contain decimals (i.e. 546 80 ; 6)		
⊾))	Find all prime numbers to 100		Divide numbe	Divide any whole number to find a remainder	
ḿ)	Count forwards and backwards in any given multiple	q)) Divide any number by 10/100/1,000, including		
n)	including decimals (<i>i.e. 0.3, 0.6, 0.9, 1.2</i>)	<i>(</i>)	decimals to 3 decimal places (i.e. $45.07 \div 100$)		
11)	whether a number is a factor (<i>i.e. the factors of 72 ai</i>	e o	+ $1 \times 3 = 5$, a	nd $(2 + 1) \times 3 = 9)$	
I, Z, S, 4)		<u></u> 5)	Alcohna		
a)	Add fractions with the same denominator (i.e. $\frac{1}{2} + \frac{3}{2}$		Find the value	e of the letter in an algebraic equation	
b)	Add fractions with different denominators (<i>i.e.</i> $\frac{3}{4} + \frac{1}{4}$)	(i.e. 4y + 3 = 2)	23, what is y?)	
c)	Subtract fractions with the same denominator (i.e. 1/8 -		Solve an algebraic equation when a value is given		
$\frac{5}{8}$			(<i>i.e.</i> $t = 3$, what is $7t - 6$?)		
 a) Subtract fractions with different denominators (<i>i.e.</i> % - 1/4) b) Multiply a fraction by a fraction (<i>i.e.</i> 1(1) 2()) 		- ()	unknowns (<i>i.e.</i> y X $t = 60$, what could y and t be?)		
e) f)	f) Multiply a fraction by a fraction (<i>i.e.</i> $\frac{7}{4} \times \frac{7}{3}$)		d) Continue missing number patients (<i>i.e. o.s,, o.g)</i>		
g)	Divide a fraction by a fraction (<i>i.e.</i> $\frac{7}{8} \div \frac{3}{8}$)		Measurement		
h)	Divide a fraction by a whole number $(\frac{2}{3} \div 4)$		cm. m. km)		
i)	Find a fraction of an amount when the numerator is more than 1 (<i>i.e.</i> $\frac{3}{4}$ of £128)	b) Convert between different units o		een different units of weight (<i>i.e. g and</i>	
j) k)	Solve mixed number fraction problems (<i>i.e.</i> $2\frac{3}{4} + \frac{3}{4}$)	($\frac{3}{4} + \frac{3}{4}$) c) Convert between different units of capacity (<i>i.e. ml</i>			
r)	smaller (<i>i.e. find common denominators</i>)	inators) and L)			
I)	Identify fraction bonds to 1 (i.e. $\frac{3}{8} + ? = 1$)	d)	(i.e. order the following from smallest to largest: 2		
m)	Find equivalent fractions of a given fraction	fortnights, 26 days, April, 648 hours)			
 c) Convert fractions to decimals and percentages 					
p) Find percentages of a given number (<i>i.e.</i> 30% of 450)					
Each child will be told which At the end of each week			k, the children	Every time a child achieves 3 of the	
objective to begin with. These will will sit a short 10 q		0 que	stion Rocket	objectives, they will receive a	
then be taught in class as written Test which they will		will ha	ive to pass in	certificate during Rewards Assembly	
learning.			ie next step.	and a prize.	

These objectives <u>WILL</u> be in your child's SATs tests this year so it is important that they focus on learning these objectives at home as well as in school.