

VOCABULARY						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Number Zero, one, two, three to	Numbers to one hundred Hundreds	Numbers to one thousand Relationship	Ten thousand, hundred thousand	Powers of 10 Ascending/descending	Numbers to ten million  Digit total	
twenty, and beyond	Partition, recombine	Roman numerals	Tenths, hundredths	order	Digit total	
None	Hundred more/less	One hundred more/less	Decimal (places)			
Count (on/up/to/from/ down)	Greater than >		Round (to nearest)			
Before, after	Less than < Exchange		Thousand more/less than Count through zero			
More than, less than, many, few, fewer, most, least, fewest, smallest, greater, lesser	Exchange		Roman numerals (I to C)  Next, consecutive  Integer, positive, negative			
Equal to, the same as			Above/below zero Negative integers			
Odd, even Pair			Wegative integers			
Ones, tens						
Ten more/less						
Digit						
Numeral						
Figure(s)						
Compare						
(In) order/a different order						
Size						
Value						
Between, halfway between						



Above, below						
COUNTING						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number			count backwards through zero to include negative numbers	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	use negative numbers in context, and calculate intervals across zero	
count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward	count from 0 in multiples of 4, 8, 50 and 100;	count in multiples of 6, 7, 9, 25 and 1000	count forwards or backwards in steps of powers of 10 for any given number up to 1000 000		
given a number, identify one more and one less		find 10 or 100 more or less than a given number	find 1000 more or less than a given number			
Spot the mistake: 5,6,8,9 What is wrong with this sequence of numbers?  True or False? I start at 2 and count in twos. I will say 9  What comes next? 10+1 = 11 11+1= 12 12+1 = 13	Spot the mistake: 45,40,35,25 What is wrong with this sequence of numbers?  True or False? I start at 3 and count in threes. I will say 13?  What comes next? 41+5=46 46+5=51 51+5=56	Spot the mistake: 50,100,115,200 What is wrong with this sequence of numbers?  True or False? 38 is a multiple of 8?  What comes next? 936-10= 926 926 -10 = 916 916- 10= 906	Spot the mistake: 950, 975,1000,1250 What is wrong with this sequence of numbers?  True or False? 324 is a multiple of 9?  What comes next? 6706+1000=7706 7706+1000=8706 8706+1000=9706	Spot the mistake: 177000,187000,197000,217000 What is wrong with this sequence of numbers?  True or False? When I count in 10's I will say the number 10100?  What comes next? 646000-10000=636000 636000-10000=626000 626000-10000=616000	Spot the mistake: -80,-40,10,50 What is wrong with this sequence of numbers?  True or False? When I count backwards in 50s from 10 I will say -200  True or False? The temperature is -3. It gets 2 degrees warmer. The new temperature is -5?	



COMPARING NUMBERS							
use the language of: num	compare and order numbers from 0 up to 100; use <, > and = signs  compare and order numbers up to 1000	order and compare numbers beyond 1000	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)			
			compare numbers with the same number of decimal places up to two decimal places (copied from Fractions)		Numbersy		
Do, then explain	Do, then explain	Do, then explain	Do, then explain	Do, then explain	Do, then explain		
Look at the objects. (in a	37 13 73 33 3	835 535 538 388 508	5035 5053 5350 5530	747014 774014 747017	Find out the populations		
collection). Are there more of one type than	If you wrote these numbers in order starting	If you wrote these numbers in order starting	5503 If you wrote these	774077 744444  If you wrote these numbers in	in five countries. Order the populations		
another?	with the smallest, which	with the smallest, which	numbers in order starting	order starting with the	starting with the largest.		
How can you find out?	number would be third?	number would be third?	with the largest, which	smallest, which number would	Explain how you ordered		
·	Explain how you ordered	Explain how you ordered	number would be third?	be third?	the countries and their		
	the numbers.	the numbers.	Explain how you ordered the numbers.	Explain how you ordered the numbers.	populations.		
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS							
identify and represent	identify, represent and	identify, represent and	identify, represent and				
numbers using objects	estimate numbers using	estimate numbers using	estimate numbers using				
and pictorial	different	different representations	different representations				
representations including	representations,						
the number line	including the number line						



d, write, order and apare numbers up to 100 000 and determine walue of each digit
000 000 and determine
value of each digit
ears also in
erstanding Place Value)
d, write, order and
pare numbers up to
000 000 and determine
value of each digit
ears also in Reading and
ing Numbers)
tify the value of each
to three decimal places
multiply and divide
bers by 10, 100 and
) where the answers are
o three decimal places ied from Fractions)
then explain
w the value of the
t 6 in these numbers?
7555 95467754
alin how you know.
d, w par 1000 ( valuears ing   tify i to the bers 0 wh o the w th t 6 ii 755



Make up an example Create numbers where the units digit is one less than the tens digit. What is the largest/smallest number?	Make up an example Create numbers where the digit sum is three. Eg 120, 300, 210 What is the largest/smallest number?	Make up an example Create four digit numbers where the digit sum is four and the tens digit is one. Eg 1210, 2110, 3010 What is the largest/smallest number?	Make up an example Give further examples Create six digit numbers where the digit sum is five and the thousands digit is two. Eg 3002000 2102000 What is the largest/smallest number?	Make up an example Create seven digit numbers where the digit sum is six and the tens of thousands digit is two. Eg 4020000 What is the largest/smallest number?
	ROUN	IDING		
		round any number to the nearest 10, 100 or 1000	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy
		round decimals with one decimal place to the nearest whole number (copied from Fractions)	round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions)	solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)
		Possible answers A number rounded to the nearest ten is 540. What is the smallest possible number it could be?  What do you notice? Round 296 to the nearest 10. Round it to the nearest 100. What do you notice? Can you suggest other numbers like this?	Possible answers A number rounded to the nearest thousand is 76000 What is the largest possible number it could be?  What do you notice? Round 343997 to the nearest 1000. Round it to the nearest 10000. What do you notice? Can you suggest other numbers like this?	Possible answers Two numbers each with two decimal places round to 23.1 to one decimal place. The total of the numbers is 46.2. What could the numbers be?  What do you notice? Give an example of a six digit number which rounds to the same number when rounded to the nearest 10000 and 100000





PROBLEM SOLVING							
use place value and number facts to solve problems	solve number problems and practical problems involving these ideas.	solve number and practical problems that involve all of the above and with increasingly large positive numbers	solve number problems and practical problems that involve all of the above	solve number and practical problems that involve all of the above			