Year 5 maths newsletter

Autumn 1

Welcome back to the new school year.
This half-term will be split into two maths topics, ‘place value’ and ‘addition and subtraction.’

Any queries please email either:
sabila.latif@appletonacademy.co.uk
joshua.walters@appletonacademy.co.uk

Number: place value

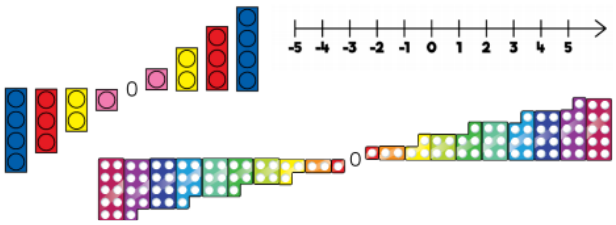
The value of each digit depending on its position within a number.

Read and write numbers to at least 1 million.

numerals	words
926,471	nine hundred and twenty-six thousand, four hundred and seventy-one.

Negative numbers

Children continue to develop their understanding of negative numbers on a number line and transferring this to real life contexts such as temperature.

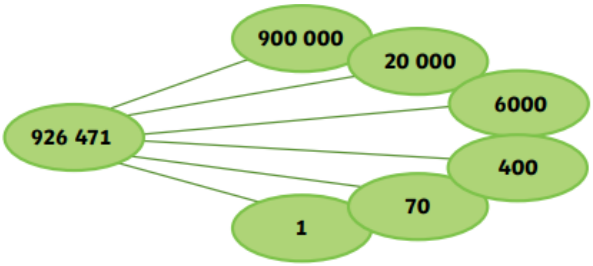


Numbers to 1 million

Children move on from thousands in Year 4 and begin to explore the place value in numbers up to 1 million.

926 471

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
9	2	6	4	7	1



Counting in powers of 10.

Counting in 10s

365	375	385	395	405	415

Counting in 100s

2841	2941	3041	3141	3241	3341

Counting in 10,000s

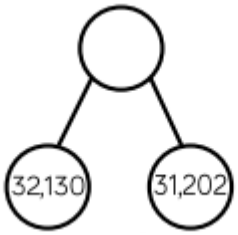
276 109	286 109	296 109	306 109

Counting in 100,000s

2 972 151	3 072 151	3 172 151	3 272 151

Compare and order numbers up to 1 million.

Compare numbers and objects using 'more than' and 'less than' and 'equal to.'



10,000s	1,000s	100s	10s	1s
6	3	3	2	0

smallest | 898 | 6735 | 6835 | 7019 | 9002 | 11 235 | greatest

If you have any questions on how to support your child at home, please contact your child's teacher.

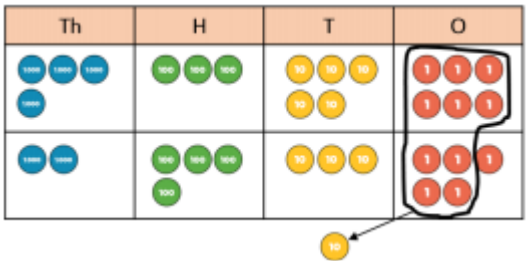
Number: addition and subtraction

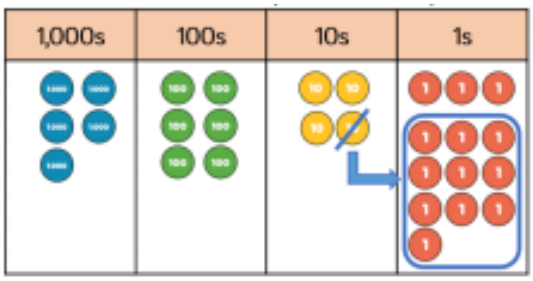
Children will continue to develop their understanding of addition and subtraction and develop their understanding of formal methods.

Add and subtract whole numbers with more than 4 digits.

Children will build upon previous learning of pictorial and column methods. They will now look at numbers with more than 4 digits and use their place value knowledge to line the numbers up accurately.

Addition Subtraction





	3	2	4	6	1
+		4	3	5	2

	5	6	3 4	1 3
−	4	3	1	6
	1	3	2	7

Round to estimate and approximate.

Children build on their understanding of estimating and rounding to estimate answers for calculations and problems. The term approximate is used throughout.

Rounding to estimate

41,635 + 7386 = 49,021

Round to ten:

41,630 + 7380 = 49,010

41,630 + 7390 = 49,020

41,640 + 7390 = 49,020

(To support children with rounding they are tau

Questions you can ask to support your child with estimating.

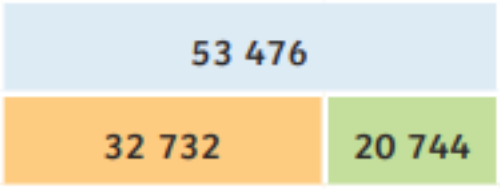
-Which numbers shall I round to?

-Why should I round to this number?

-Why should an estimate be quick?

-When, in real, would we use an estimate?

Inverse operations.



Children will use the inverse to check answers are correct.

If 32,732 + 20,744 = 53,476

Then, 53,476—32,732 = 20,744

Vocabulary

The following vocabulary is used in the classroom to support learning. Please continue to support your child at home by using the same vocabulary.

Place value	Addition and subtraction
millions, thousands, hundreds, tens and ones.	add, altogether, sum, total
negative number	subtract, takeaway, difference
place value	column
sequence	regroup/ exchange
rounding	estimate, approximate
more than, less than	inverse operation

Further support at home

To support your child at home, we encourage the use of the classroom vocabulary and the same methods/ strategies of calculation.

When working with your child at home, you can ask them the following question starters to further demonstrate their understanding.

How do you know…
Can you estimate…
What pattern do you notice?
Can this be done in a different way?
What other strategies can we use to work out?
What does … represent?
Can you explain what would happen if…
What are the key bits of information?
How can we check our answers are correct?

Times tables practise

Times Table Rock Stars is a fun and interactive way for your child to practise their times tables at home. By Year 5, children will have been taught all their times tables up to 12 X 12. Please continue to practise and support your child with these at home.
https://ttrockstars.com/

If you have any questions on how to support your child at home or need any log in information, please contact your child's class teacher.