

Maths

Number and Place Value



Maths | Number and Place Value | Read and Write Numbers | Lesson 4 of 7: Read and Write Numbers to 1 000 000

Need a coherently planned sequence of lessons to complement this resource?

| Assessment Statements by the end of this unit; whitem version terms and the expected level will be able to: • read and write numbers are to 000 000; • read and event signitis an available use to be dentify the value of event signitis and ocuritors; to appoint account of the event signitis and ocuritors; numbers with one decimal place; | read and write most numbers up to 1 0 identify the value of most reads to | decimal place value. In the stand billion will read, write, construct and decorativic trunchers up to 1 000 000. They will use concrete, we have a stand and any stand any stand and any stand any stand any standard any standard any standard block. In Springer muthers, children will charate charate any standard any standar | | Dumber and Place Value Mather First of Departure Value Mather First of Departure Place Value Mather Value of the resource on white Source Value of Value of the resource on white Source Value of Value of the resource on white Source Value of Value | | | | | |
|--|--|--|--------|--|--|-----------------------------|---|-------------------------------------|--------------------------|
| Compare numbers up to 100 000 using the greater than and leval surveit-dia; Control combers to the p-sector 10, 100, 1000, 100 000 Compare most Great numbers in concert Compare most in a number line; - conclusives in Compare most in a number line; - conclusives in a number line; Compare most in a number line; - conclusives in a number line; Compare most in a number line; - conclusives in a number line; Compare most in a numeratility of 500 (C) using a Great numbers in a numeratility of 500 (C) using a Count forwards, | order most numbers up to 1 000 000 compare most numbers up to 1 000 f greater than and less than symbols round numbers up to 1 000 000 to the se 1000, to 000 or 100000 lengs a number count backwards and farvards across number lenge compare and order negative numbers; sobe | oot numbers to to 1000 and men numbers to to 1000 and here name and to to the number of the number of the number of the here numbers to to 1000 and the number of the number of the number of here and the number of the number of the number of the numbers to to 1000 and the number of the number of the numbers to to 1000 and the number of the paying sends, 54 decard 16 doc. | Autumn | Number: Place Value | Week 4 Week 5 Number: Addition and Subtraction | Week 6 Week 7 Statistics | Week 8 Week 9 Number: Multiplication and Division | Week 10 Week 11 Perimeter and Area | Week 12 Consolidation |
| | count forwards and backwards is at | | Spring | Number: Multiplication and Division | | Number: Fractions | | Number: Decimals and Percentages | Consolidation |
| | | | Summer | Number: Decima/s | Geometry; p | roperties of Shapes | Measurement: (Units Units | Converting Converting | Consolidation |

See our <u>Number and Place Value</u> document.



Read and Write Numbers to 1 000 000





Aim

• To read and write numbers up to at least 1 000 000.

Success Criteria

- I can read and write numbers up to 1 000 000 in words.
- I can read and write numbers up to 1 000 000 in digits.
- I can partition numbers up to 1 000 000.
- I can make numbers up to 1 000 000.



Remember It



Partition the numbers and write the value of each number in words. An example has been given.

| | 421 | 400 + 20 + 1 | four hundred and twenty-one |
|---|--------|------------------|--|
| 1 | 909 | | |
| 2 | | | one thousand, two hundred and eight |
| 3 | 78 560 | | |
| 4 | | 60 000 + 200 + 3 | |
| 5 | 90 092 | | |



Card Game



Shuffle a deck of cards.

You and your partner should each draw 5 cards at random.

Arrange your cards to make a 5-digit number.

Who can make the greatest number?





Card Game



Shuffle the deck of cards again.

Draw another 5 cards each.

Who can arrange their cards to make the smallest 5-digit number?





Card Game



Shuffle the deck of cards again.

Draw another 5 cards each.

Who can arrange their cards to make a number closest to 50 000?





The Rich List



The Rich List is a list of the richest people in the world. Lots of famous people appear on The Rich List, such as singers, actors and writers.

Many people on The Rich List earn millions of pounds for their work! It can be tricky to read such large numbers.

In today's lesson, we are going to look at how to read and write numbers up to at least one million.







We can use a place value grid to help us read large numbers.

We always enter numbers into the place value grid starting from the right.

576 293

| Ten Millions | Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones |
|-----------------|----------|----------------------|------------------|-----------|----------|------|------|
| | | 5 | 7 | 6 | 2 | 9 | 3 |





Place value counters help to recognise the value of each digit in each number.



The same number,

576 293

, has been represented using place value counters.





What number has been represented with place value counters? Remember to work from right to left.







What number has been represented with place value counters? Remember to work from right to left.







Ms Story is a famous writer.



Can you tell your partner how much she earned using words?





Were you able to read it?

£576 293 is the same as five hundred and seventy-six thousand, two hundred and ninety-three pounds.

Let's look more closely at how we read such large numbers.





The place value grid helps us to see the value of each digit in the number so that we can read it easily.

576 293

| Ten Millions | Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones |
|-----------------|----------|----------------------|------------------|-----------|----------|------|------|
| | | 5 | 7 | 6 | 2 | 9 | 3 |

Five hundred and seventy-six thousand, two hundred and ninety-three.





Use the place value grid to help you read how much money these celebrities earned:

| Tara Singer earned £764 830. | × |
|-----------------------------------|---|
| Thomas Theatre made £57 847. | × |
| Dorothy Dancer earned £2 648 539. | × |

| Ten Millions | Millions | Hundred Thousands | Ten Thousands | Thousands | Hundreds | Tens | Ones |
|-----------------|----------|----------------------|------------------|-----------|----------|------|------|
| | 2 | Ø | 6 | 8 | 8 | 3 | Ø |

Two william air bread and faster sight the word

Fifty-seven thousand, eight hundred and forty-seven pounds.





Each digit in a number tells us about a different part of the number.







A girl band earned £802 684.







Can you work out how much Nicki Artist earned by putting together the parts of the number? Give the number in digits and in words.



Nicki Artist earned **£319 405 or three hundred and nineteen thousand,** four hundred and five pounds.





Choose the parts of numbers in one of these columns and give the number they make in words and digits. Be careful as some may be written out of order.

| * | ** | *** | |
|---|--|--|--|
| five ten thousands, seven thousands, three hundred, four tens and nine ones | three tens, seven thousands, five ones, eight hundred thousands, seven ten thousands and zero hundreds | four millions, six ones, four tens, eight hundred thousands, nine hundreds, three ten thousands and zero thousands | |
| | | | |
| 57 349 fifty-seven thousand, three hundred and forty-nine | 877 035 eight hundred and seventy-seven thousand and thirty-five | 4 830 946 four million, eight hundred and thirty thousand, nine hundred and forty-six | |



The Rich List Activity

Can you read and write the amounts that the different celebrities have earned?





Diving into Mastery

Dive in by completing your own activity!





Number Puzzles



Can you match up these numbers in words and digits?





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