

Counting

Count forwards or backwards in steps of 10 100 and 1000 for any given number up to 10 000.

26, 36,
46, 56

4 287,
5 287,
6 287

1000,
2000,
3000

Count forwards and backwards with positive and negative whole numbers, including through zero.

4, 3, 2, 1, 0,
-1, -2, -3, -4

Rounding

Round any number up to 100 000 to the nearest 10, 100, 1000 and 10 000.

27 135 rounded to the nearest 10 is 27 140
(5 goes up)

27 135 rounded to the nearest 100 is 27 100
(30 down)

27 135 rounded to the nearest 1000 is 27 000
(100 down)

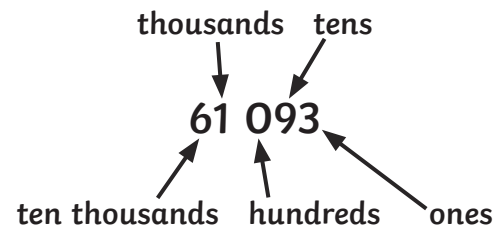
27 135 rounded to the nearest 10 000 is 30 000
(7000 up)

Number and Place Value Mat

Working towards Year 5

Place Value

Read, write, order and compare numbers to at least 100 000 and determine the value of each digit.



Solve Problems

Solve number and practical problems that involve all of the other objectives.

What number is added to 5900 to total 10 000?

4100

9 826 people attend a concert. The news said ten thousand attended the concert. To what number was the attendance rounded?

nearest hundred or thousand

Compare and Order

Order and compare numbers to at least 10 000 and determine the value of each digit.

$$5515 > 5155$$

Order the following:
7727, 2277, 7272, 7772

2277	7272	7727	7772
smallest			greatest

Read and Write

Read and write numbers to at least 100 000 and determine the value of each digit.

61 093

Sixty-one thousand and ninety-three

Read Roman numerals to 1000 (M)

DCCLXXVII is 777

Counting

Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.

26, 36,
46, 56

34 287,
35 287,
36 287

Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.

Count back 8 from 5. To what number will you count?

-3

Rounding

Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.

27 135 rounded to the nearest 10 is 27 140
(5 goes up)

27 135 rounded to the nearest 100 is 27 100
(30 down)

27 135 rounded to the nearest 1000 is 27 000
(100 down)

27 135 rounded to the nearest 10 000 is 30 000
(7000 up)

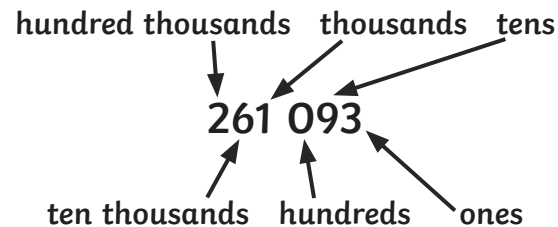
627 135 rounded to the nearest 100 000 is 600 000
(20 000 down)

Number and Place Value Mat

Expected Year 5

Place Value

Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.



Solve Problems

Solve number and practical problems that involve all of the other objectives.

What number is added to 59 000 to total 300 000?

241 000

79 826 people attend a cup final at Wembley. The news said eighty thousand attended the match. To what number was the attendance rounded?

nearest thousand or ten thousand

Compare and Order

Order and compare numbers to at least 1 000 000 and determine the value of each digit.

151 515 > 151 155

Order the following:

722 727, 77 277, 727 272, 722 772

77 277	722 727	722 772	727 272
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smallest

greatest

Read and Write

Read and write numbers to at least 1 000 000 and determine the value of each digit.

261 093

Two hundred and sixty-one thousand and ninety-three

Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

DCCLXXVII is 777

MMXVII is 2017

Counting

Count forwards or backwards in multiples of steps of powers of 10 for any given number up to 1 000 000.

26, 56,
86, 116

34 287,
37 287,
40 287

Interpret negative numbers in context, count forwards and backwards in different steps with positive and negative whole numbers, including through zero.

Count back in 2s from 5. To what number will you count after 4 steps?

-3

Rounding

Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.

Think about which digit gives the answer:

627 135 rounded to the nearest 10

627 135 rounded to the nearest 100

627 135 rounded to the nearest 1000

627 135 rounded to the nearest 10 000

627 135 rounded to the nearest 100 000

Number and Place Value Mat

Greater Depth Year 5

Place Value

Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit;

What is the place value of each digit?

hundred thousands thousands tens

261 093

ten thousands hundreds ones

Compare and Order

Order and compare numbers to at least 1 000 000 and determine the value of each digit.

When comparing 151 515 and 151 155, what is the value of the digit that indicates the greater number?

Read and Write

Read and write numbers to at least 1 000 000 and determine the value of each digit.

Can you write this number in numerals?

261 093

Two hundred and sixty-one thousand and ninety-three

Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

Which is the earlier year:

MDXXXLV or MXMXXIII?

Solve Problems

Solve number and practical problems that involve all of the other objectives.

What number is added to 59 200 to total 400 000?

295 817 people attend a march in London. The news said three hundred thousand attended the match. To what number was the attendance rounded?