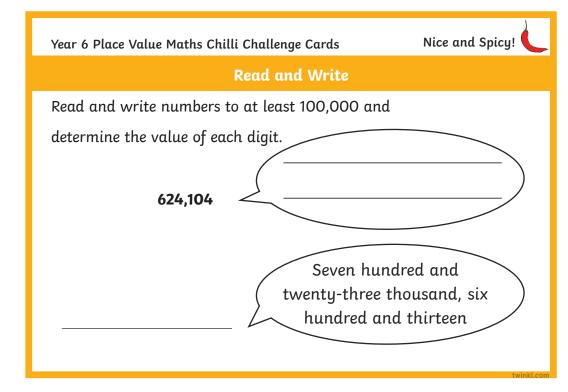


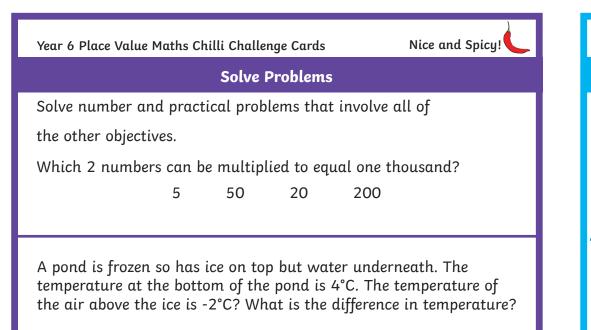


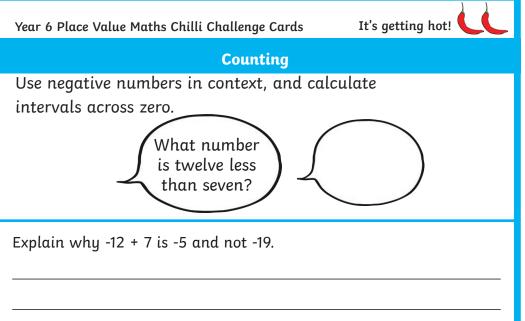
Rounding

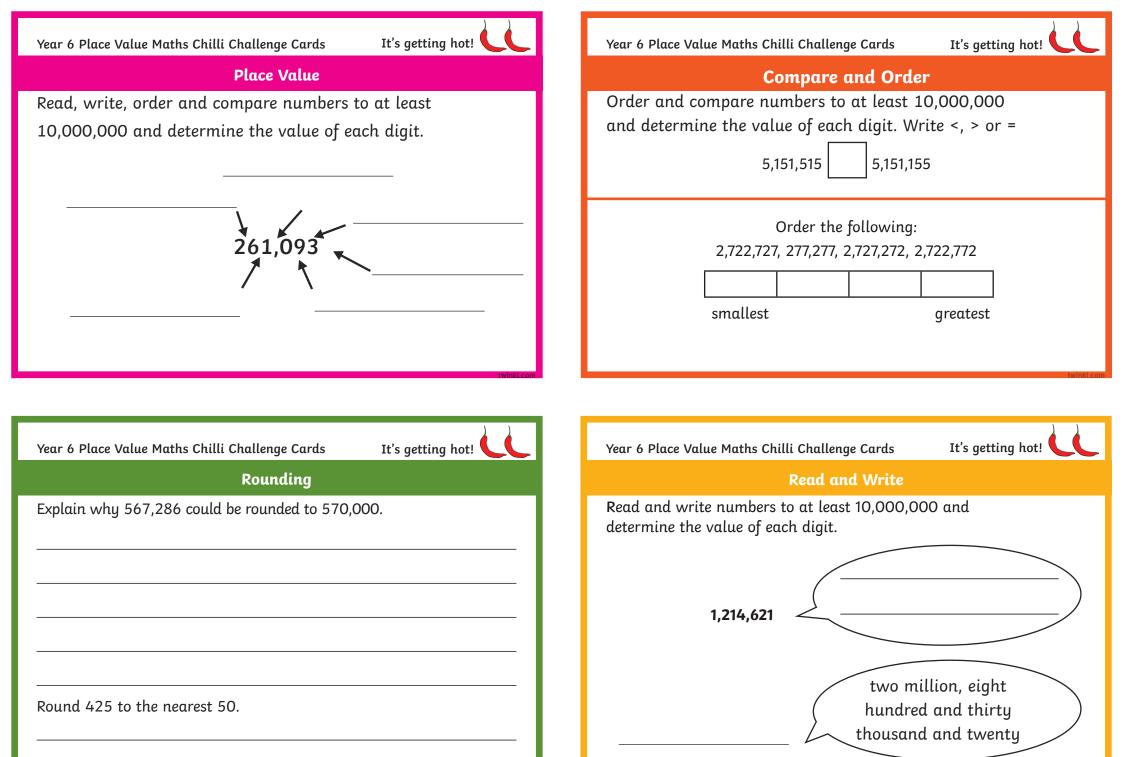
Explain why 67,286 could be rounded to 70,000.

Round 50 to the nearest 20.









Year 6 Place Value Maths Chilli Challenge Cards



Burning up!

Solve Problems

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

Which 2 numbers can be multiplied to equal one hundred thousand?

50 500 2000 20,000

The temperature at the bottom of a mountain is 9°C, but at the top it is -13°C. What is the difference between the temperature at the top and bottom of the mountain?

Place Value

7,261,093.

Read, write, order and compare numbers to at least

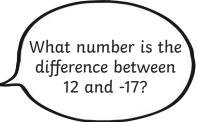
10,000,000 and determine the value of each digit.

Year 6 Place Value Maths Chilli Challenge Cards

Burning up!

Counting

Use negative numbers in context, and calculate intervals across zero.



Explain why -12 -7 is -19 and not -5.

A man has £12 in cash and owes a friend £20. How much money has the man?

Year 6 Place Value Maths Chilli Challenge Cards

Burning up!

Compare and Order

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

When comparing 5,151,515 and 5,151,155, what is the place value of the digit which will tell which is greater?

Explain the reasons you would use to order the following numbers: 2,722,727, 277,277, 2,727,272, 2,722,772



Rounding

Round any whole number to a required degree of accuracy.

Explain why 2,567,286 could be rounded to 2,600,000.

Round 3250 to the nearest 500.

The population of London is 8.674 million.

To what number would you round the population of London when writing about London, giving your reasons.

Year 6 Place Value Maths Chilli Challenge Cards

Read and Write

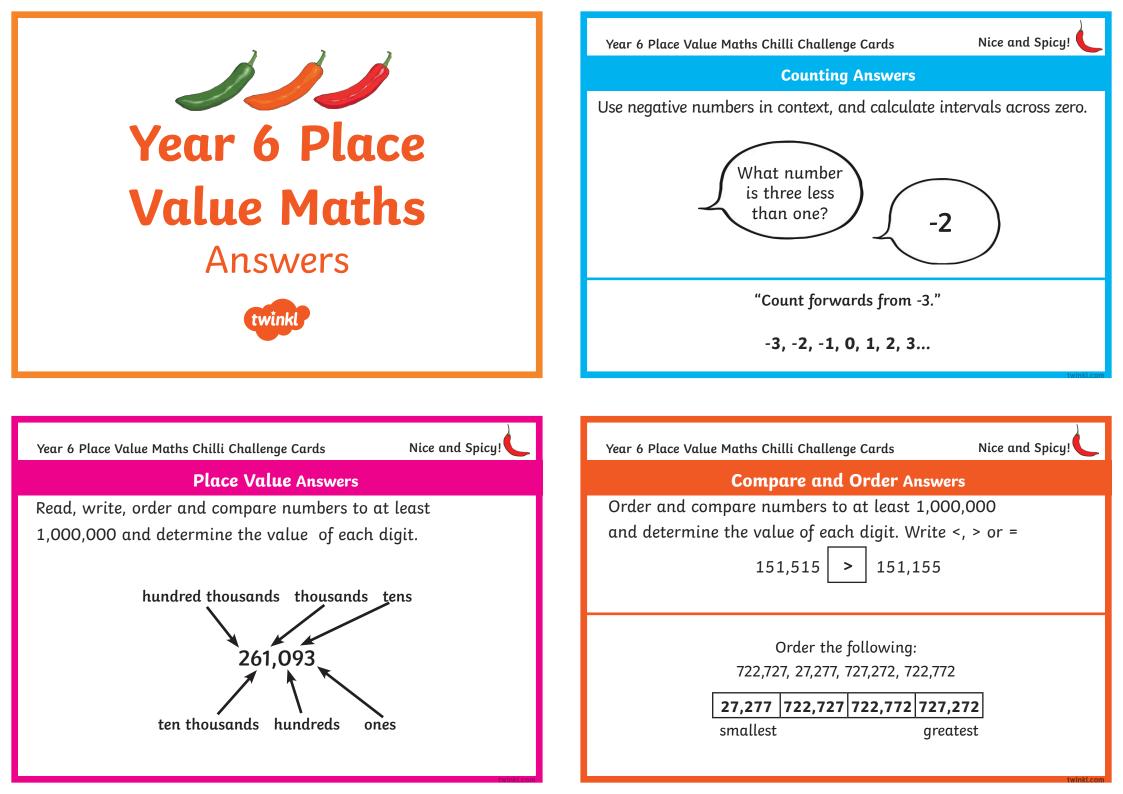
Read and write numbers to at least 10,000,000 and determine the value of each digit.

Write half of this number using words: 4,208,092

Write fifty five thousand more than this number in numerals.

Year 6 Place Value Maths Chilli Challenge Cards Burning up!
Solve Problems
Solve number and practical problems that involve all
of the other objectives.
Which 2 numbers can be multiplied to equal twenty million?
500 5000 40,000 400,000
The temperature at the bottom of a mountain is 9°C, but at the top it is -12° C. Half way up the mountain the temperature is half way

it is -13°C. Half way up the mountain the temperature is halfway between the temperatures at the top and bottom. What is the temperature half way up the mountain?





Rounding Answers

Explain why 67,286 could be rounded to 70,000.

Rounding 67,286 to the nearest ten thousand would mean using the number of thousands (7) and this is greater than or equal to 5, so it is rounded up to the next ten thousand (70,000) so it is rounded to 70,000.

Round 50 to the nearest 20.

60

Year 6 Place Value Maths Chilli Challenge Cards



Solve Problems Answers

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

the other objectives.

Which 2 numbers can be multiplied to equal one thousand?

5 × 200 or 50 × 20

A pond is frozen so has ice on top but water underneath. The temperature at the bottom of the pond is 4°C. The temperature of the air above the ice is -2°C? What is the difference in temperature?

 723,613
 hundred and thirteen

 Vear 6 Place Value Maths Chilli Challenge Cards

 It's getting hot!

 Counting Answers

 Use negative numbers in context, and calculate intervals across zero.

 What number is twelve less than seven?

Read and Write Answers

Nice and Spicy!

Six hundred and

twenty-four thousand, one

hundred and four

Seven hundred and twenty-three thousand, six

Explain why -12 + 7 is -5 and not -19.

Year 6 Place Value Maths Chilli Challenge Cards

determine the value of each digit.

624.104

Read and write numbers to at least 100,000 and

Because starting at -12 and adding 7 will mean counting towards 0, so -11, -10, -9 etc. If the answer were -19 then the counting would go -13, -14, but this is subtracting not adding.

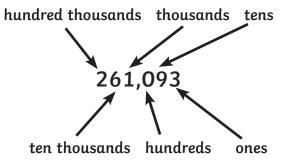
Year 6 Place Value Maths Chilli Challenge Cards



It's getting hot!

Place Value Answers

Read, write, order and compare numbers to at least 10,000,000 and determine the value of each digit.

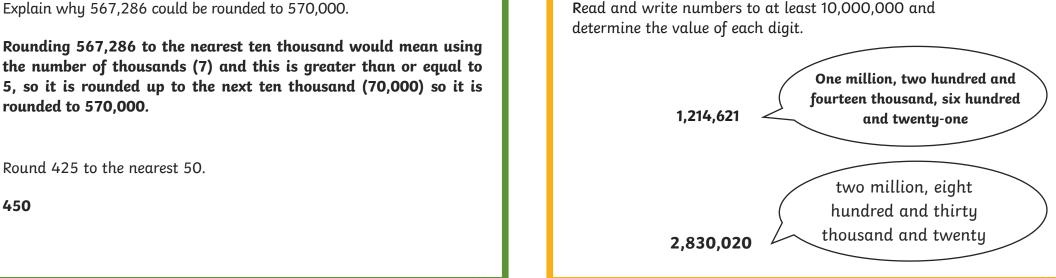


Place Value Answers

It's getting hot! Year 6 Place Value Maths Chilli Challenge Cards **Place Value Answers** Order and compare numbers to at least 10,000,000 and determine the value of each digit. Write <, > or = 5,151,515 5,151,155 Order the following: 2,722,727, 277,277, 2,727,272, 2,722,772 2,722,727 2,722,772 2,727,272 277,277 smallest greatest It's getting hot! Year 6 Place Value Maths Chilli Challenge Cards

Place Value Answers

Read and write numbers to at least 10,000,000 and



450

rounded to 570,000.

Round 425 to the nearest 50.



Solve Problems Answers

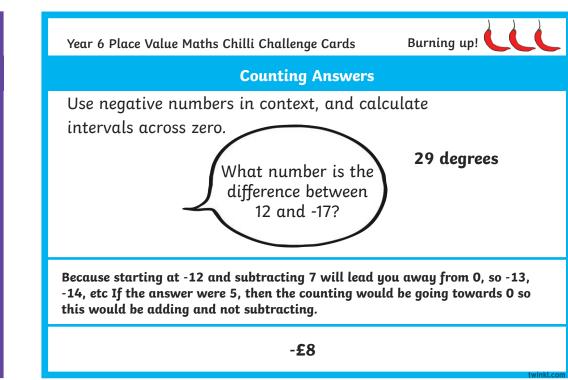
Solve number and practical problems that involve all of the other objectives.

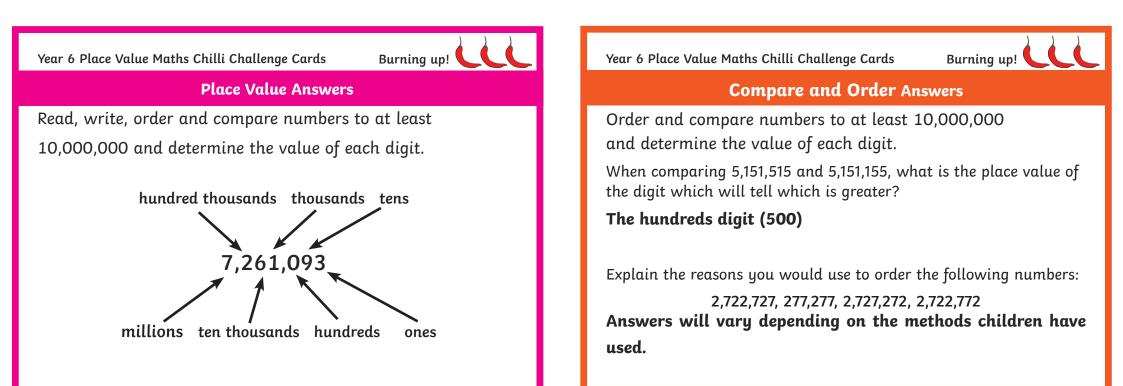
Which 2 numbers can be multiplied to equal one hundred thousand?

50 500 2000 20,000 **50 and 2000**

The temperature at the bottom of a mountain is 9°C, but at the top it is -13°C. What is the difference between the temperature at the top and bottom of the mountain?

22°C







Burning up!

Rounding Answers

Round any whole number to a required degree of accuracy.

The number could be rounded to the nearest hundred thousand.

Round 3250 to the nearest 500. 3500

The population of London is 8.674 million.

To what number would you round the population of London when writing about London, giving your reasons.

Accept all suitable explanations.

Year 6 Place Value Maths Chilli Challenge Cards

Burning up!

Read and Write Answers

Read and write numbers to at least 10,000,000 and determine the value of each digit.

Write half of this number using words: 4,208,092

Two million, one hundred and four thousand and forty-six.

Write fifty five thousand more than this number in numerals.

2,159,046

Year 6 Place Value Maths Chilli Challenge Cards

Solve Problems Answers

Solve number and practical problems that involve all

of the other objectives.

Which 2 numbers can be multiplied to equal twenty million?

500 x 40,000

The temperature at the bottom of a mountain is 9°C, but at the top it is -13°C. Half way up the mountain the temperature is halfway between the temperatures at the top and bottom. What is the temperature half way up the mountain? **-2°C**