

# Maths Summer Homework

You should be confident with all your times tables. This is a very important part of maths!

The front sheet shows all the maths you were **taught** in year 5.

Will you go on Times Tables Rock Stars the most out of your class over the Summer holidays?

What's coming up in September?

Place Value (Year 6)

Read and write numbers to 10,000,000	Compare and order any integers	Round any integer
Negative numbers	Powers of 10	

Have a go at the following questions to get you ready for the first maths block in year 6...

Each child chooses one of the numbers.

31,000      310      3,100      3,100,000

Tommy: My number is 100 times the size of Annie's.

Annie: My number has thirty thousands.

Sam: Amir's number is one-tenth the size of my number.

Amir: My number is one-hundredth the size of Annie's.

Which number does each child have?

Write the missing digits to make the statements correct.

a)  $201 > 20\_$

d)  $13,400 > 13,\_00$

b)  $911 < \_99$

e)  $1\_,900 < 13,090$

c)  $63\_ < 631$

f) half a million =  $\_00,000$

Write the numbers in numerals.

a) one million, twenty-four thousand,  
three hundred and sixty-one

b) six million, one hundred and eight thousand,  
six hundred and twelve

What are the values of the bold digits?

a) 2,**9**50

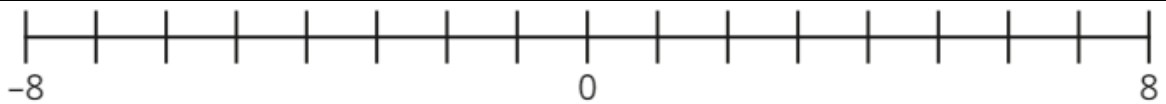
c) **1**95,000

e) **1**,432,310

b) **3**7,300

d) 7**1**,903

f) 3,**2**56,705



a)  $-3 + 5 =$

e)  $3 - 5 =$

b)  $1 - 4 =$

f)  $-1 - 4 =$

c)  $-4 + 4 =$

g)  $-4 - 4 =$

d)  $-1 - 3 =$

h)  $-1 + 3 =$

Round the numbers to the nearest 100,000

a) 123,456

d) 153,456

b) 133,456

e) 163,456

c) 143,456

f) 1,163,456

## Problem solving time!

Teaching children how to problem solve in mathematics can support children's ability to critically evaluate, encourage independence and develop their skills in reasoning and creativity. It is also an essential part of developing mastery of the subject.

Eva has put eight 6-digit numbers in ascending order.

- The first number in her list is 345,900
- The last number in her list is 347,000
- All the other numbers in her list have a digit sum of 20
- None of the numbers in her list have any repeated digits.

Find the other six numbers in Eva's list and write them in ascending order.


Are the statements true or false?

Adding ten thousand to a number only ever changes the digits in exactly one column.

The number consisting of 70 thousands and 400 ones is 700,400

3 ten-thousands is the same as 30 thousands.

400 hundreds is the same as 4 ten-thousands.

A large number added to a large number is always a large number.

A large number subtracted from a large number is always a large number.

## Maths summer challenge!

Make a **7 digit number** in a funky way and ask an adult to take a picture of it and send it to [sao@stmprimary.org](mailto:sao@stmprimary.org) with the subject 'Number photo YOUR NAME'. You could write the number in the sand or make it with shells, twigs, seaweed. Let your imagination run wild! Don't forget the commas in the number.

