

Maths Home Learning Parent Workshop



**St George's
Primary School**

How can you use the activities to stretch your child's understanding?



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Developing Fluency and Number Sense

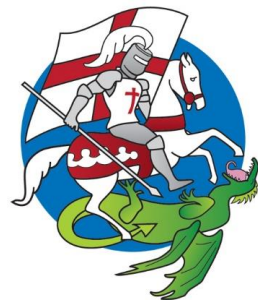


Response to new home learning books has been really positive. Really important that we remember that there are three essential steps that need to be in place to ensure that children are successful with this:

- 1. Staff must be specific about their expectations and ensure they have practised this in school.** They cannot go home unclear.
2. Must complete their set challenge. Encouraging them to complete 2/3 a week. Are 100 in a year.
- 3. We will teach at school and get them to master their thinking and process through home learning.** Do have a maths jotter.
4. My staff have had hours of training. We don't want you being pressurised at home. We want you to support through positivity and practise.
5. We do have some resources that you can buy. Also going to order 10 sided dice and place value counters.

Question: How would you model counting on in 25s?

There are some
fundamentals needed in
Years 5 and 6



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x	2	3	4	5	6	7	8	9	11	12
2	4	6	8	10	12	14	16	18	22	24
3		9	12	15	18	21	24	27	33	36
4			16	20	24	28	32	36	44	48
5				25	30	35	40	45	55	60
6					36	42	48	54	66	72
7						49	56	63	77	84
8							64	72	88	96
9								81	99	108
11									121	132
12										144

19 facts to learn in Y2

21 facts to learn in Year 3

15 Facts to learn in Year 4

Place Value

Millions			Thousands			Less than a Thousand		
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Hundreds	Tens	Ones

PLACE VALUE CHART

Thousands		
H	T	O
4	9	6

Thousand

H	T	O
2	1	7

Chart
Form

Standard Form **496.217**

Word Form Four hundred
ninety-six thousand, two
hundred seventeen

Expanded Form

$$400,000 + 90,000 + 6,000 + 200 + 10 + 7$$

Value

6 Thousands
6,000

Decimal values and Symmetry of the ones column

Hundreds	Tens	Ones •	Tenths	Hundredths
2	4	5 •	5	9
6	5	4 •	3	2

What does the point mean?

Maths

Book 5

Name: _____

Home Learning Log



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Maths

Book 6

Name: _____

Home Learning Log



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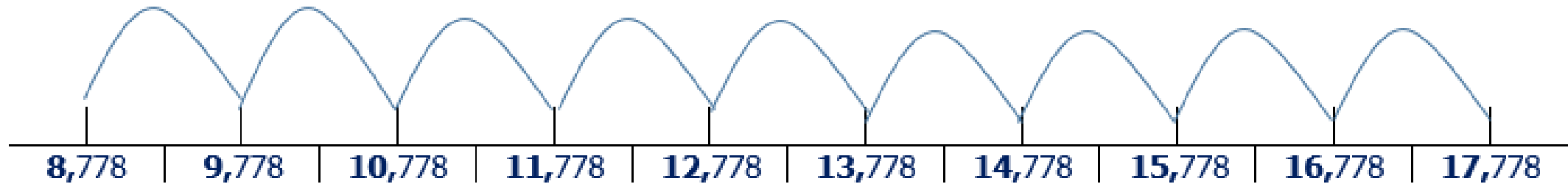
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Year 4 counting in steps of 1000 video

- How has the task been taken that step further to stretch the child's understanding?
- How can we encourage our children to think in this way?
- We can take children's knowledge further by questioning. Allowing them to explain the maths verbally and through the use of objects and visual representations showcases their mathematical thinking.

<http://www.stgeorges.wirral.sch.uk/page/year-4-home-learning/59139>

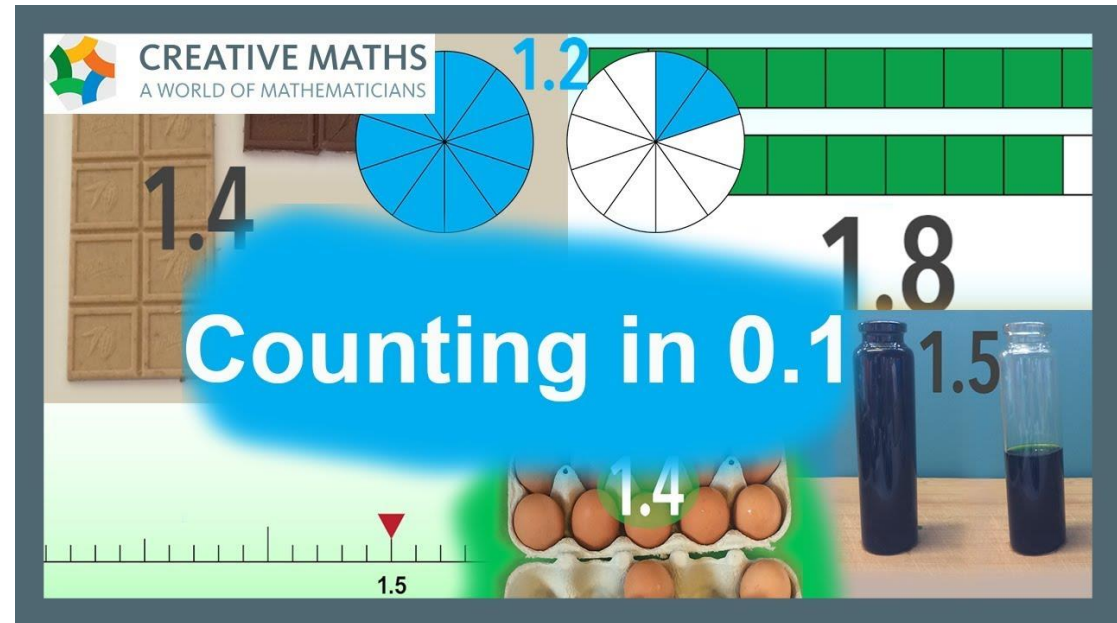
For example, counting backwards in 1000. If you master this you can count in 1001, 999, 995 etc easily with practice and notations.



Starting Number = 8, 778		
+ 999 (-1 then + 1000 or +1000 then -1)	+1000	+10001 (+1 then + 1000 or +1000 then +1)
8, 778	8, 778	8, 778
9, 777	9, 778	9, 779
10, 776	10, 778	10, 780
11, 775	11, 778	11, 781
12, 774	12, 778	12, 782
13, 773	13, 778	13, 783
13, 772	14, 778	13, 784
13, 771	15, 778	13, 785
13, 770	16, 778	13, 786
13, 769	17, 778	13, 787

Year 5 Counting in Decimals Film

- Notice how learning the pattern is the challenging aspect.
- Once the pattern and place value are secure Elsie can manage decimal challenge easily.

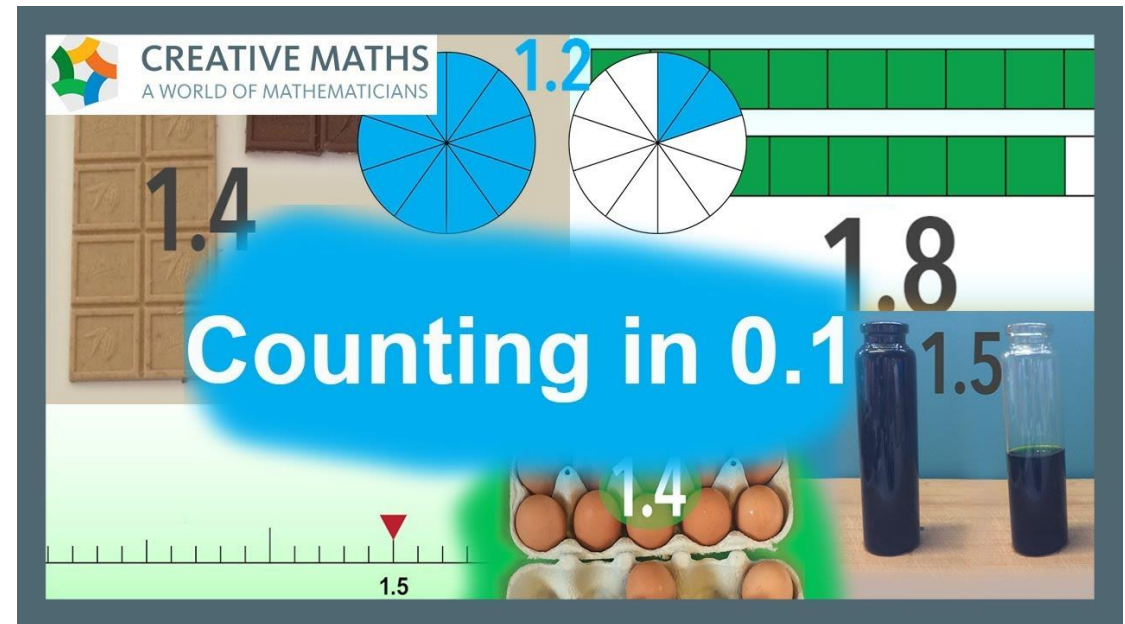


Video is here:

- <http://www.stgeorges.wirral.sch.uk/page/year-5-home-learning/59140>

Related Facts Film

- Key to success is understanding place value changes (not adding zeros or moving decimal points)
- Children become secure using what they know – not starting over again.



Video is here:

- <http://www.stgeorges.wirral.sch.uk/page/year-5-home-learning/59140>

Website will be critical to our communication

stgeorges.wirral.sch.uk/page/home-learning-and-mathematics/59134

St George's Primary School

Home Learning and Mathematics

In September 2018 we launched our new home learning activities books. These were designed in partnership with a national mathematics consultant (thanks to work of Andrew Jeffrey) to promote 'number sense' and 'fluency' in mathematics.

Each booklet is designed to ensure that our children are practising key mathematical concepts that they are taught in school. This could include counting, times tables, reading skills, spending money etc.

Children are challenged to complete each activity 10 times in a year. As they complete each activity we ask parents to sign and date their booklet

Number Hunt

When going on a trip outside, ask your child to hunt for as many numbers in their environment as they can. This will help children to see that numbers don't just appear in the classroom, they are an important part of daily life.

How many numbers can you spot during one trip outside?
How many different ways are numbers used and why?
Where is the strangest place that numbers are found?

Here are a couple of examples:
House numbers, speed limits, prices – and there are many more!

on that page using the grid provided (see example below).

Initials & Date
1
2
3
4
5
6
7
8
9
10

In this section of the website we have shared the booklets and will be adding videos to demonstrate the mathematical learning process and how the games can be applied at home. We have created a page for year 1 to 6 attached to this page. or click on the link below:

[Year 1 Page](#)

[Year 2 Page](#)

[Year 3 Page](#)

[Year 4 Page](#)

<http://www.stgeorges.wirral.sch.uk/page/home-learning-and-mathematics/59134>

Task



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1. Look at some of the challenges for your year group.
2. How could you stretch your child's understanding? Get them to explain and demonstrate how they know.
3. What strategies would you use to support them with their counting. Keep it simple?
4. How could this be represented visually?
5. Q & A

Upcoming Developments



**St George's
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- **Years 3 & 4 – Thursday 7th November**
- **Years 1 & 2 – Tuesday 12th November**
- **Years 5 & 6 – Wednesday 13th November**

**Parent workshop
dates**

- **Jotters** – Home learning jotters have been ordered for all year groups so that children are able to capture their mathematical thinking at home.
- **Online presence** – In the near future, we will use an online platform to share photographs of children completing activities at home.

Maths Week England



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- Thank you so much to everyone for their enthusiasm towards Maths Week England.
- The aims of Maths Week are to:
 - ***1. Raise the profile of mathematics throughout England***
 - ***2. Change the conversation about maths in the population at large to be more positive***
 - ***3. Allow children and adults from all social and economic backgrounds to access and enjoy interesting mathematical experiences***
 - ***4. Support teachers to plan special low-cost high-impact maths activities at their own schools during Maths Week***
 - ***5. Encourage Higher-Education centres to invite schoolchildren to visit for maths events, in order to raise aspirations and encourage higher take-up of the study of maths at A-level and university***
 - ***6. Make maths accessible and enjoyable for people who thought it was an elitist subject for 'clever' people: to 'love and enjoy' is a worthy goal!***

The Whole School Picture



**St George's
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**Video interaction
from professionals
that use maths in
their jobs**

**Bringing year groups
together to enjoy and
share their love of
maths**

**Maths and art
projects for
exhibition on 25th
November**

**Online competitions
with the chance to
win great prizes**

**Maths through story
telling**

**Live lesson –
Guinness World
Record for the largest
maths lesson**

**Maths investigations
led by students from
local secondary
schools**



MANGAHIGH
westermann

MATHS WEEK ENGLAND

NINJA

CHALLENGE
2019

11th November - 16th November

