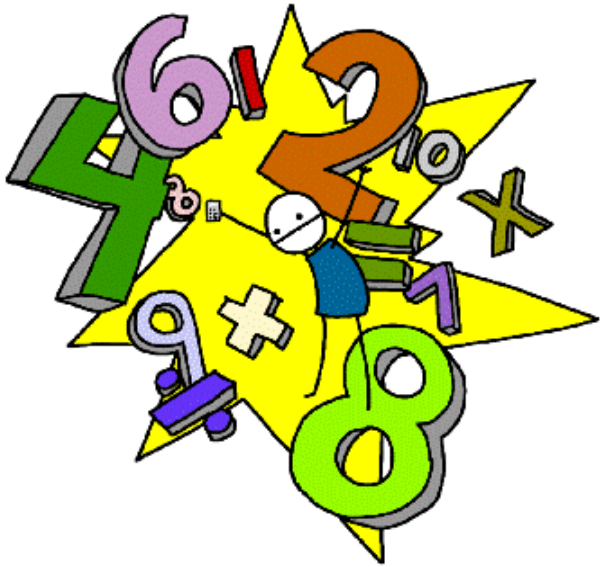
KS2 Maths Curriculum Workshop

- Class Streaming
- Target Setting
- Targets explained
- Maths Assessment at the BSB
- Calculation Methods Guide
- MyMaths tutorial



Maths Curriculum Leaders
Year 3 & 4 Miss Lorna Milligan
Year 5 & 6 Mr Martin Drennan

No need to take notes this will be available on the school blog

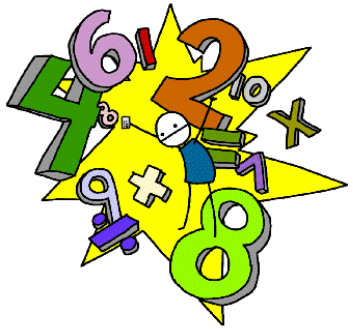
bsbjuniors@wordpress.com

Password : bsbjuniors

KS2 Maths Information Evening

Class Streaming

- 8 classes per year group *except Yr 6 (7)
- 4 more closely differentiated groups
- Opportunity for better support LE
- Opportunity for more extension G and T



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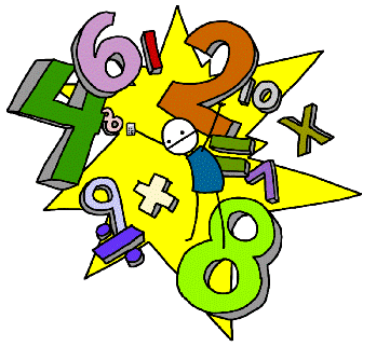
The move away from levels…

- We do not want to 'label' a child's ability.
- A level does not give enough information about specific areas of Maths, it is a average of all aspects.
- Levels will be replaced by skills questions…Can I?



KS2 Maths Information Evening

Targets Explained…

- Children will have a list of 'Can I' skills / targets in their Maths books.
- Hit target 3 times, then highlight
- At the end of term a support booklet will come home
- Targets that are not highlighted will carry over and still require work
- Teachers can add support targets and extension targets to this.

Example of Skills / Targets

Maths Targets – Year 3 – Term 1	Example	Target achieved		
Can I read and write numbers up to 1000 and put them in order? Do I know what each digit is worth?	342, 343, 345, ?,			
Can I count on or back in tens or hundreds from any number under 1000?	462, 472, 482… or 462, 562, 662…			
Do I know by heart addition and subtraction facts to 20?	4 + 16 = 20, 12 – 8 = 4.			
Can I partition a number into H, T, U?	561 = 5 hundreds, 6 tens, 1 unit			
Can I use jottings to work out sums such as 56 + 29, and 97 – 51?	Show examples of bridging or partitioning 56 + 20 = 76, 76 + 9 = 85			
Do I know by heart the 2, 5 and 10 times tables?	5 x 5 = 25			
Can I work out simple divisions from the 2, 5 and 10 times tables?	20 ÷ 2 = 10			
Can I find simple fractions, such as 1/2, 1/3, 1/4, 1/5, 1/10, of shapes and numbers?	½ of 22 = 22 ÷ 2 = 11			
Can I convert pounds £ into pence p and back?	£1.20 = 120p or 60p = £0.60			
Can I Solve simple 1 step number problems and explain how to work them out?	Apples cost 50p, how much would 3 apples cost?			

Can you tell the time?

Whenever possible, ask your child to tell you the time to the nearest 5 minutes. Use a clock with hands as well as a digital watch or clock.
Also ask:

- What time will it be one hour from now?
- What time was it one hour ago?

Time your child doing various tasks, e.g.

- getting ready for school;
- tidying a bedroom;
- saying the 5 times, 10 times or 2 times table…

Ask your child to guess in advance how long they think an activity will take. Can they beat their time when they repeat it?

Fractions

Use 12 buttons, or paper clips or dried beans or…

- Ask your child to find **half** of the 12 things.
- Now find one **quarter** of the same group.
- Find one **third** of the whole group.

Repeat with other numbers.

Order, order!

- Each of you should draw 6 circles in a row.
- Take turns.
- Roll two dice and make a two-digit number (see Number games).
- Write the number in one of your circles. Once the number is written in a circle you cannot change it or move it!
- The first to get all six of their circle numbers in order wins.

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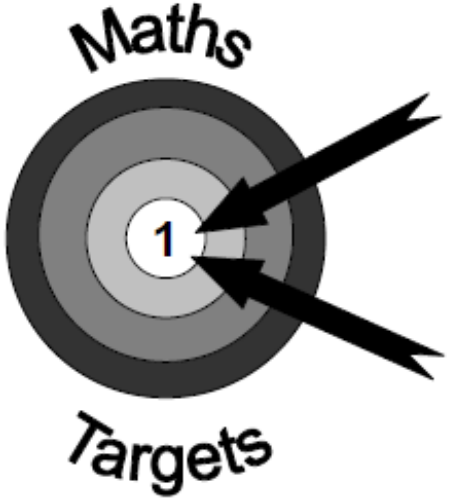
Targets for pupils Year 3 Term 1



A booklet for parents

Support your child with mathematics

Targets – Year 3 1

By the end of Year 3, Term 1, most children should be able to…

- ☐ Read and write numbers up to 1000 and put them in order. Know what each digit is worth.
- ☐ Count on or back in tens or hundreds from any number under 1000, e.g. 462, 472, 482… or 462, 562, 662…
- ☐ Know by heart addition and subtraction facts to 20, e.g. 4 + 16 = 20, 12 – 8 = 4.
- ☐ Partition a number into H, T, U
- ☐ Use jottings to work out sums such as 56 + 29, and 97 – 51.
- ☐ Know by heart the 2, 5 and 10 times tables.
- ☐ Work out simple divisions, such as 30 ÷ 5.
- ☐ Find simple fractions, such as $^1/_2$, $^1/_3$, $^1/_4$, $^1/_5$, $^1/_{10}$, of shapes and numbers.
- ☐ Convert pounds £ into pence p and back
- ☐ Solve simple 1 step number problems and explain how to work them out.
- ☐ Recognise right angles and lines of symmetry in simple shapes.
- ☐ Draw and explain a simple pictogram, bar chart and Venn diagram.
- ☐ Tell the time to the nearest 5 minutes on a digital clock.
- ☐ Identify 2D and 3D shapes and their properties.
- ☐ Use a ruler to measure and draw lengths to the nearest half cm
- ☐ Understand the terms doubling and halving

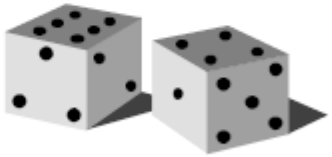
About the targets

These targets show some of the things your child should be able to do by the end of Year 3, Term 1.
A target may be more complex than it seems, e.g. a child who can count to 1000 may not know what each digit represents. In 784, for example, the '8' is worth 80 not just 8.

Fun activities to do at home

Number games

Roll two dice. Make two-digit numbers, e.g. if you roll a 6 and 4, this could be 64 or 46. If you haven't got two dice, roll one dice twice. Ask your child to do one or more of the activities below.



- Count on or back from each number in tens.
- Add 19 to each number in their head. (A quick way is to add 20 then take away 1.)
- Subtract 9 from each number. (A quick way is to take away 10 then add back one.)
- Double each number.

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Maths Assesment at the BSB…

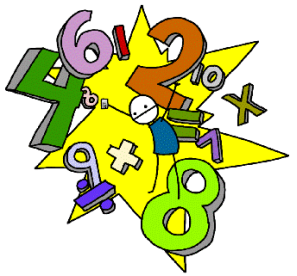
- Teacher assessment is our main form of assessment
- InCAS from the University of Durham
- Used worldwide for many years to assess a child's ability in Maths and English
- Far superior to written tests where we assessed and leveled the paper, again giving an overall score
- Provides detailed information in the form of age in years and months for specific areas of Maths.
- General Maths V's reading ability
- Number 1 and 2, Shape, space and measure, data handling
- Mental arithmetic specifically + - ÷ x
- Developed ability – a child's aptitude for learning
- Attitude towards subject

KS2 Maths Information Evening

Maths Assessment at the BSB…

- Baseline results are being completed now
- Children will be assessed at the end of each term
- Children will not be given these results, we use these to inform our planning. Children should concentrate on skills / targets.
- Important / relevant information will be shared with you at parent evenings.

- Tea and targets Week of the 18th of October
- Pastoral Parent meetings Week of the 18th of October
- Pupil lead conferencing Term 2



KS2 Maths Information Evening

Calculation Methods Guide

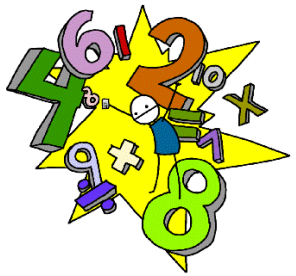
This will give you an overview of each of the methods that we use in the Maths Department from Year 3 through to Year 6.

It shows the progression from counting on number lines up to formal addition etc…

My Maths will also show they way that we teach + - X ÷ at the BSB

This will be available on the school blog

bsbjuniors@wordpress.com password : bsbjuniors



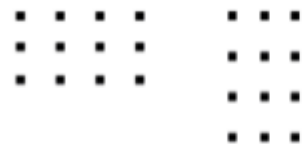
A Guide to Numeracy for Parents

YEAR 3: Multiplication

Tables: x2, x3, x4 x5, x10

Working out multiplications using an array: 4 x 3

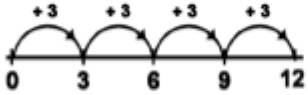
3 rows of 4 or 4 rows of 3



4 x 3 = 12

Repeated addition using a number line.

4 x 3 (4 jumps of 3)



4 x 3 = 12

Grid Method (Teens x U)

13 x 8 (13 partitions to 10 and 3)

X	10	3	
8	10 x 8 80 8 x 10	3 x 8 24 8 x 3	= 104

(80+24=104)

13 x 8 = 104

Vocabulary:
lots of, groups of, times, multiply, multiplication, multiplied by multiple of, product, once, twice, three times… ten times… times as, repeated addition, array, row, column, double, grid method

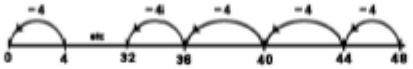
YEAR 4: Division

Division facts from tables and fact families

e.g. 2 x 9=18
9 x 2=18
18 ÷ 2=9
18 ÷ 9=2

Repeated subtraction along a horizontal number line
TU ÷ U

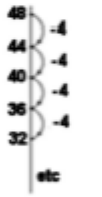
48 ÷ 4



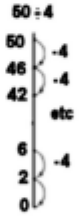
12 jumps of 4 so 48 ÷4 = 12
(Also with remainders, see Year 3 example)

Moving to a vertical number line

48 ÷ 4



12 jumps of 4 so
48 ÷ 4 =12

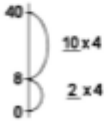


12 jumps of 4
with 2 left over

50 ÷ 4 = 12 r 2

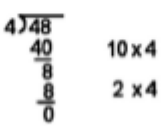
More able moving to chunking

48 ÷ 4



48 ÷ 4 = 12

48 ÷ 4

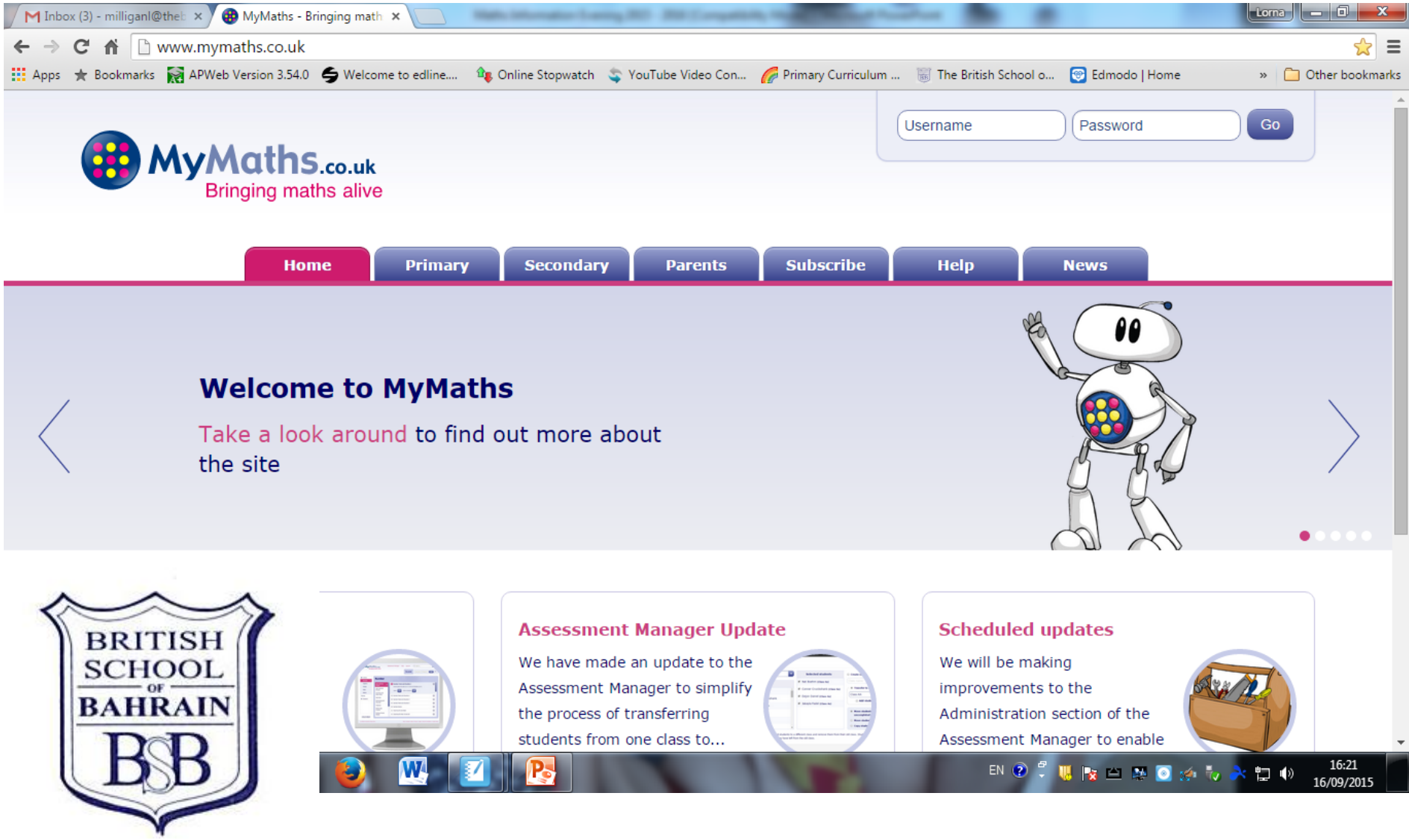


48 ÷ 4 = 12

Vocabulary:
Halve, share, share equally, one each, two each, three each… group in pairs, threes… tens, equal groups of, divide, division, divided by, divided into, remainder, factor, quotient, divisible by, inverse, halve, fact families, chunking

Please find the full version of this booklet on the school blog

www.mymaths.co.uk



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Getting started

- Your child has received a letter telling them how to access MyMaths with their login details as well.
- It is very straight forward and every child will be shown in class what to do.
- MyMaths runs best on PC/laptop

Got an iPad?
Download **FREE** Puffin

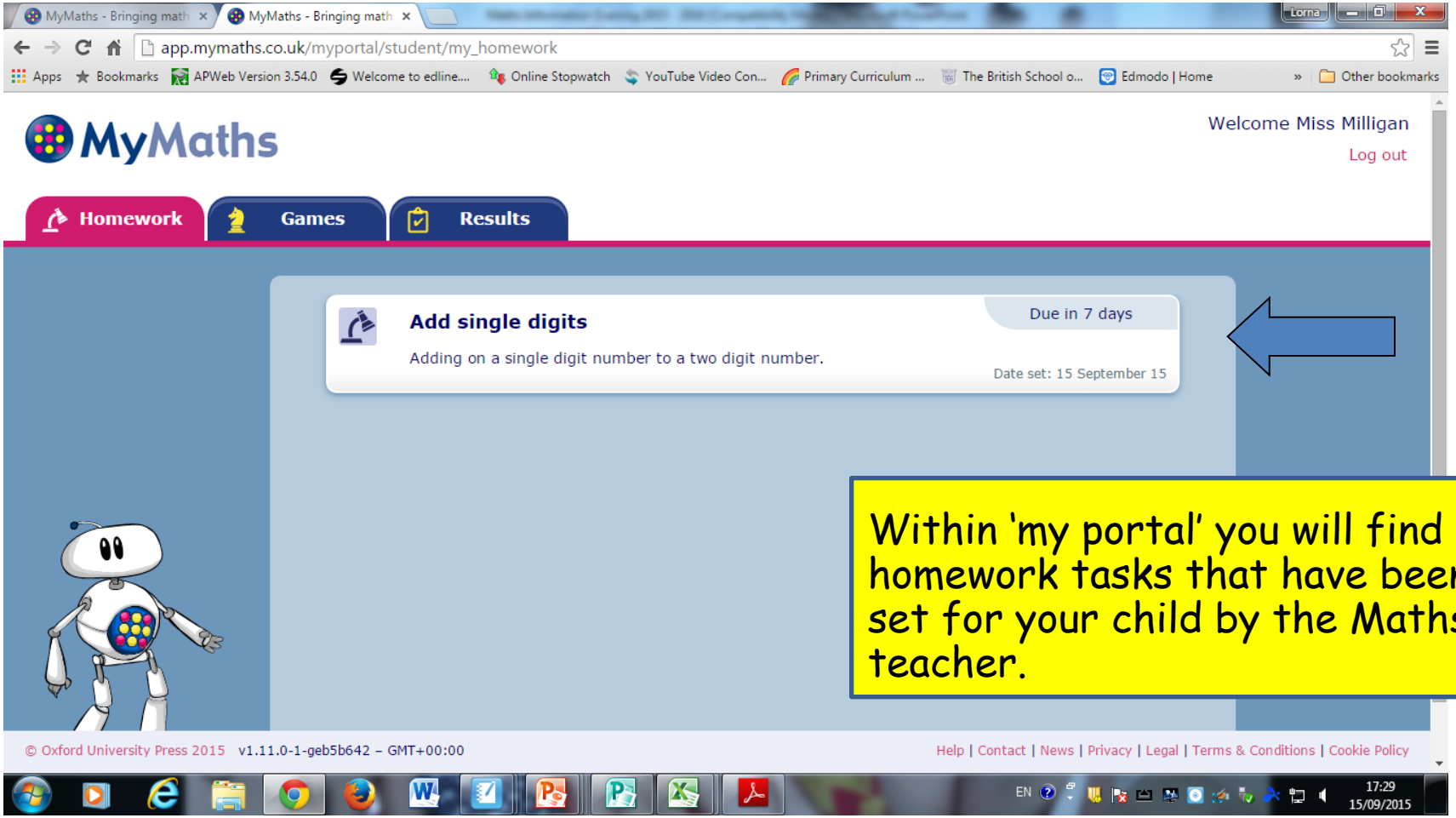
This web browser has FLASH support so you can use mymaths.co.uk on your device!

BRITISH SCHOOL OF BAHRAIN
BSB

Logging on

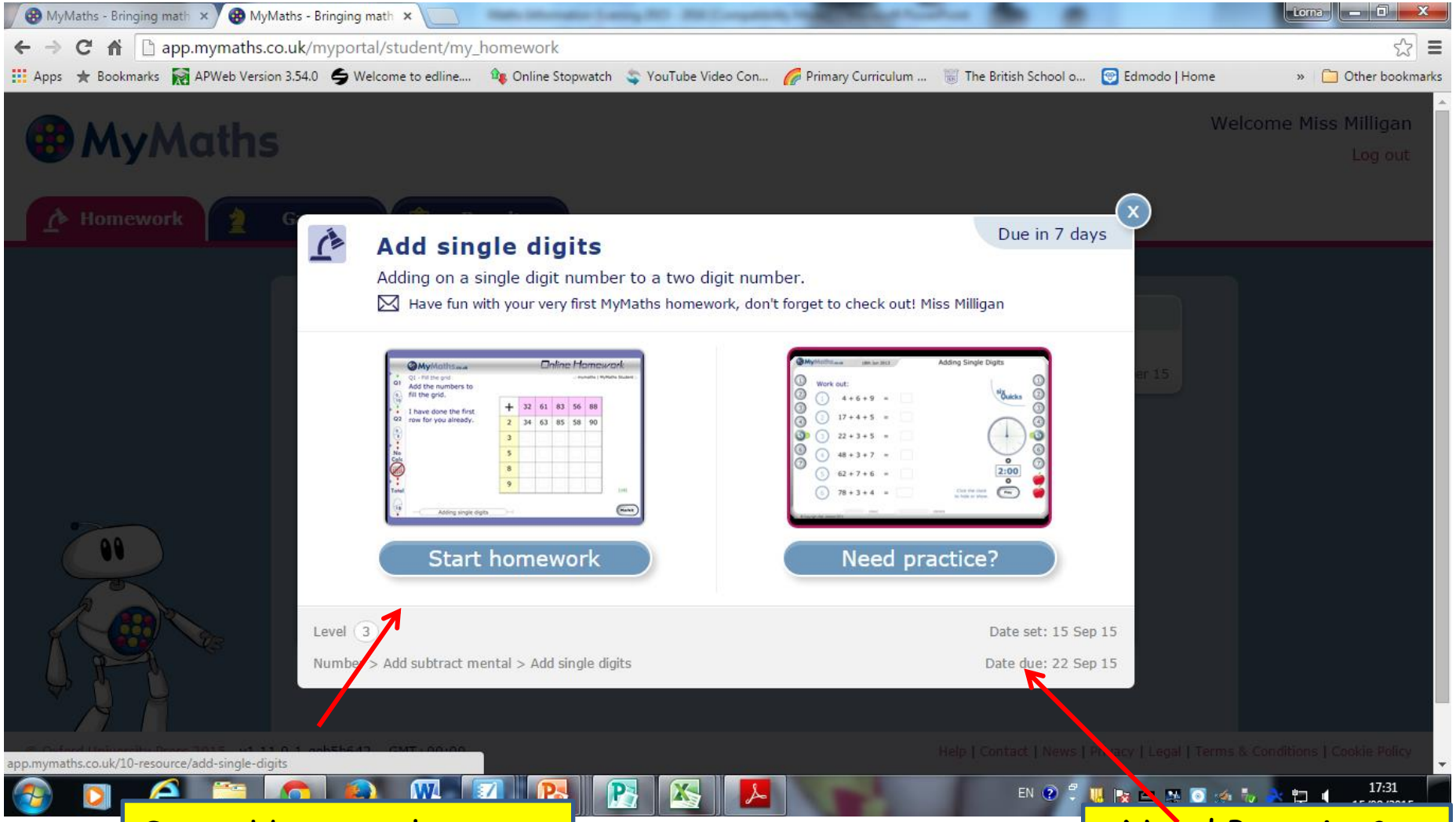
Login -thebritish
Password - cosine214

My Homework



To access your child's own page type in their login and password from their letter OR from their diary.

My Homework

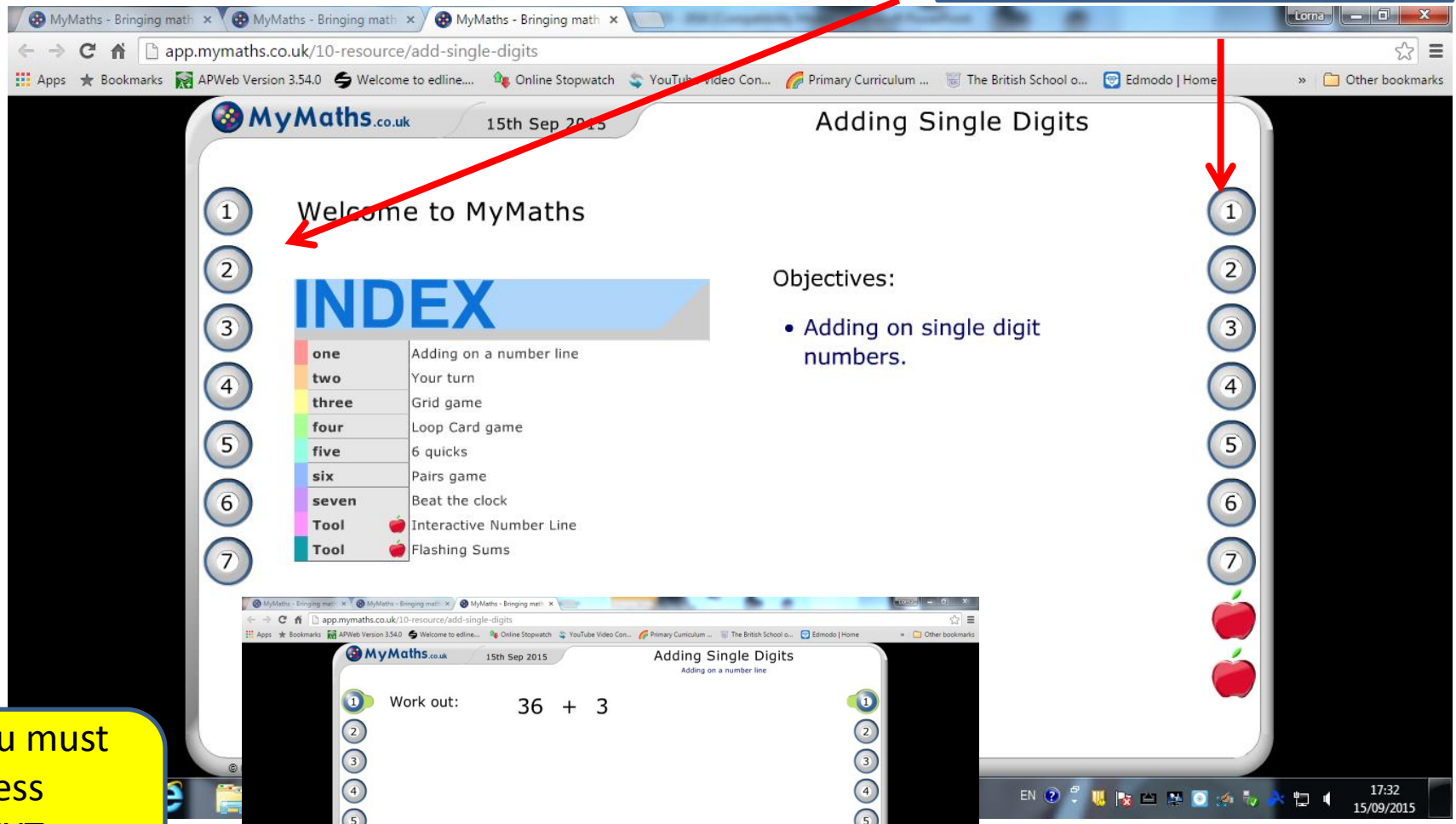


Start Homework
Only if you are ready!

Need Practice?
(We always need practice)

Need Practice?

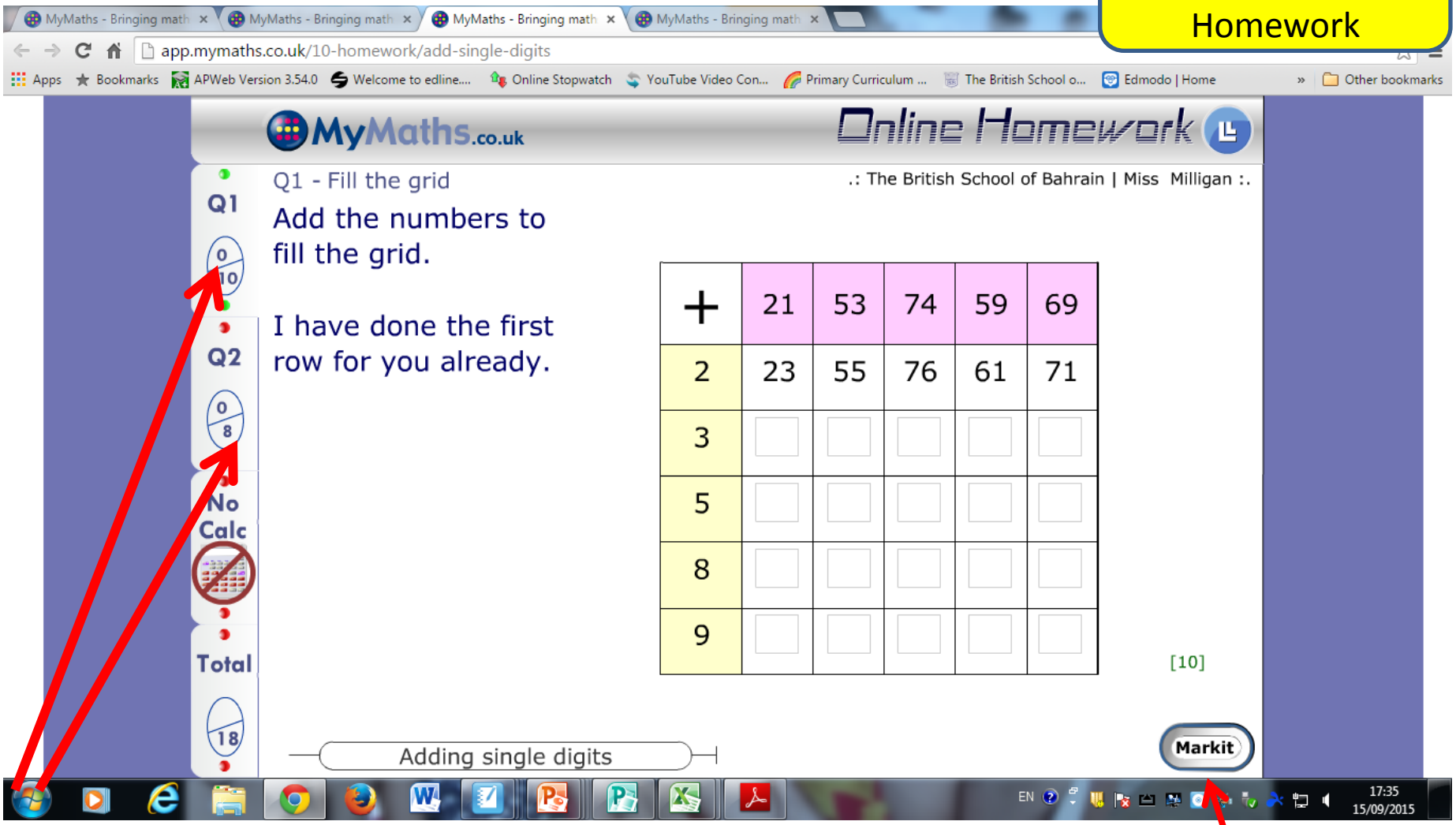
Index- this tells you what you are learning, when you click on this you will be offered several tasks and games to learn this concept



You must press NEXT to find out what to do!

Start Homework

Once you feel ready… Start Homework



+	21	53	74	59	69
2	23	55	76	61	71
3					
5					
8					
9					

Questions – These must be completed

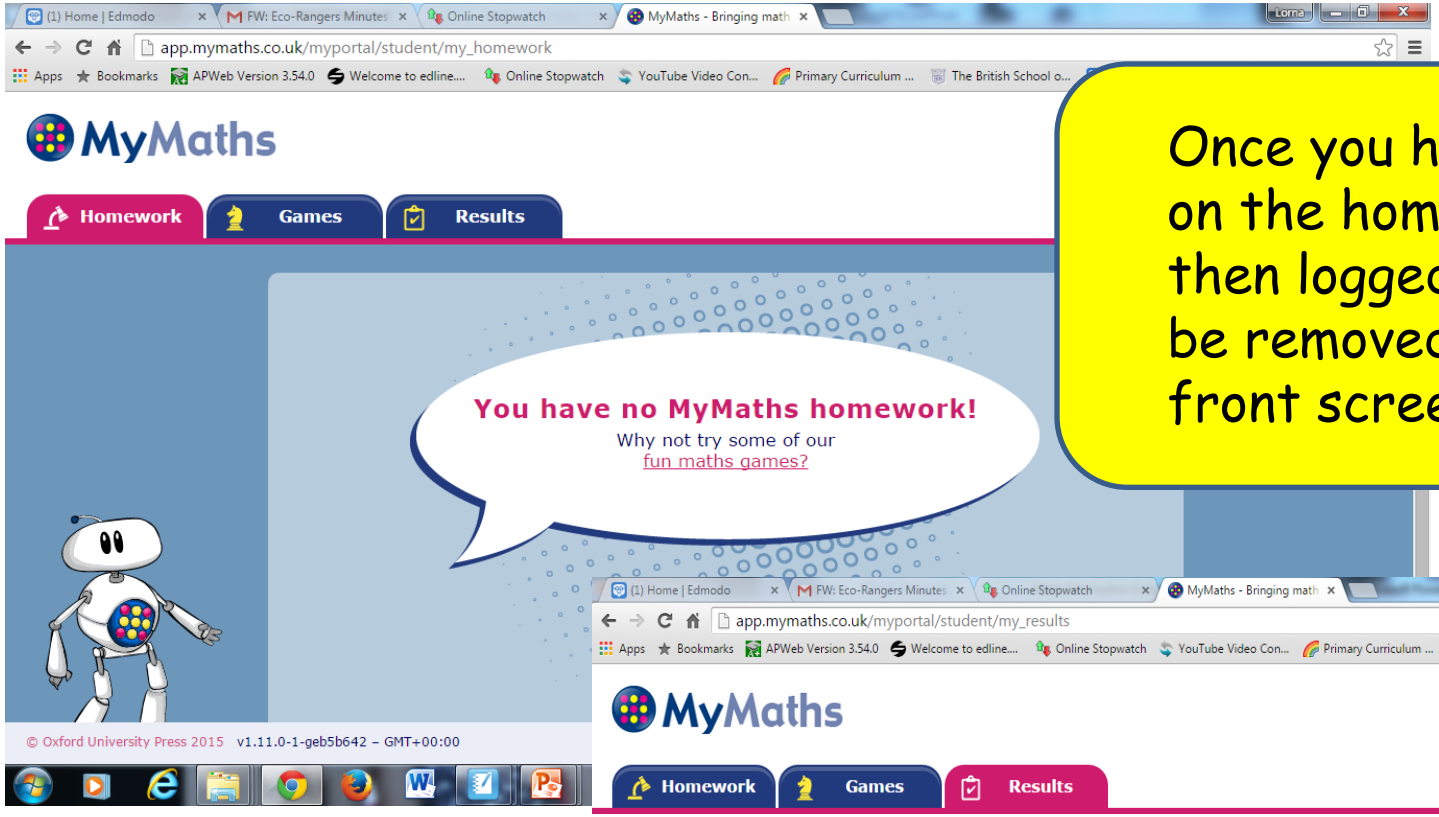
Markit- MUST BE COMPLETED
Or you will be unable to checkout

YOU MUST CHECKOUT IN ORDER TO RECORD YOUR HOMEWORK and refresh the page!

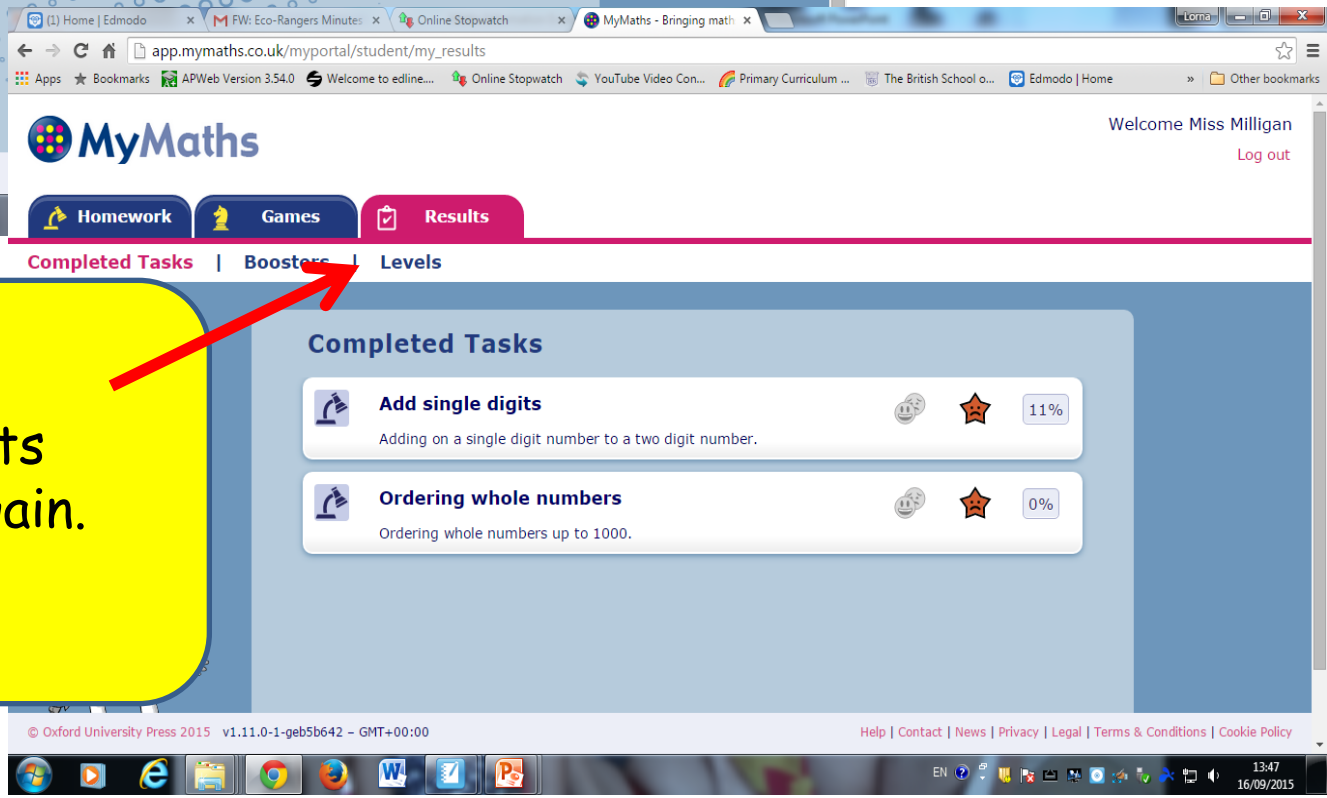
70% above

40% above

Below 40%

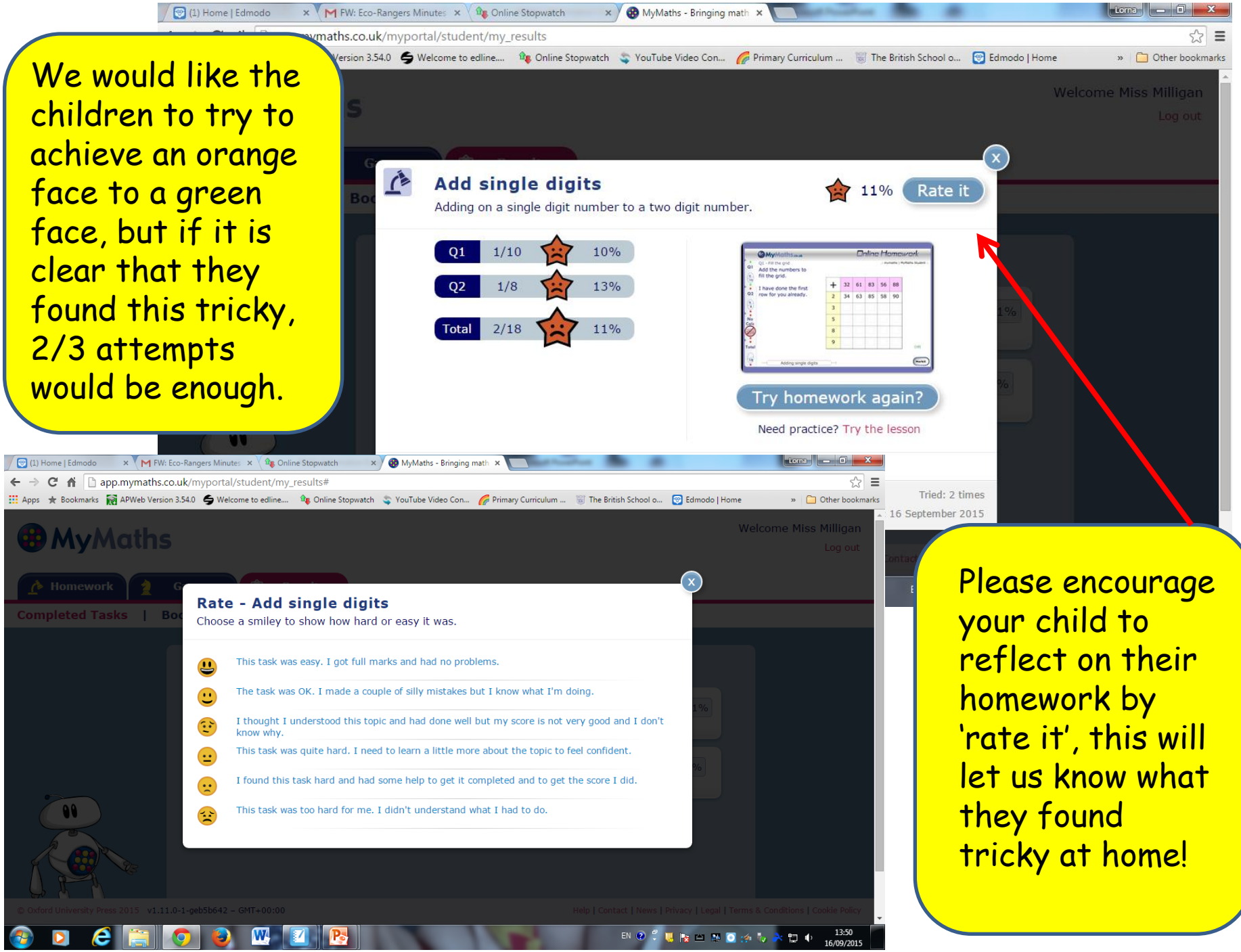


Once you have clicked on the homework and then logged off, it will be removed from the front screen.



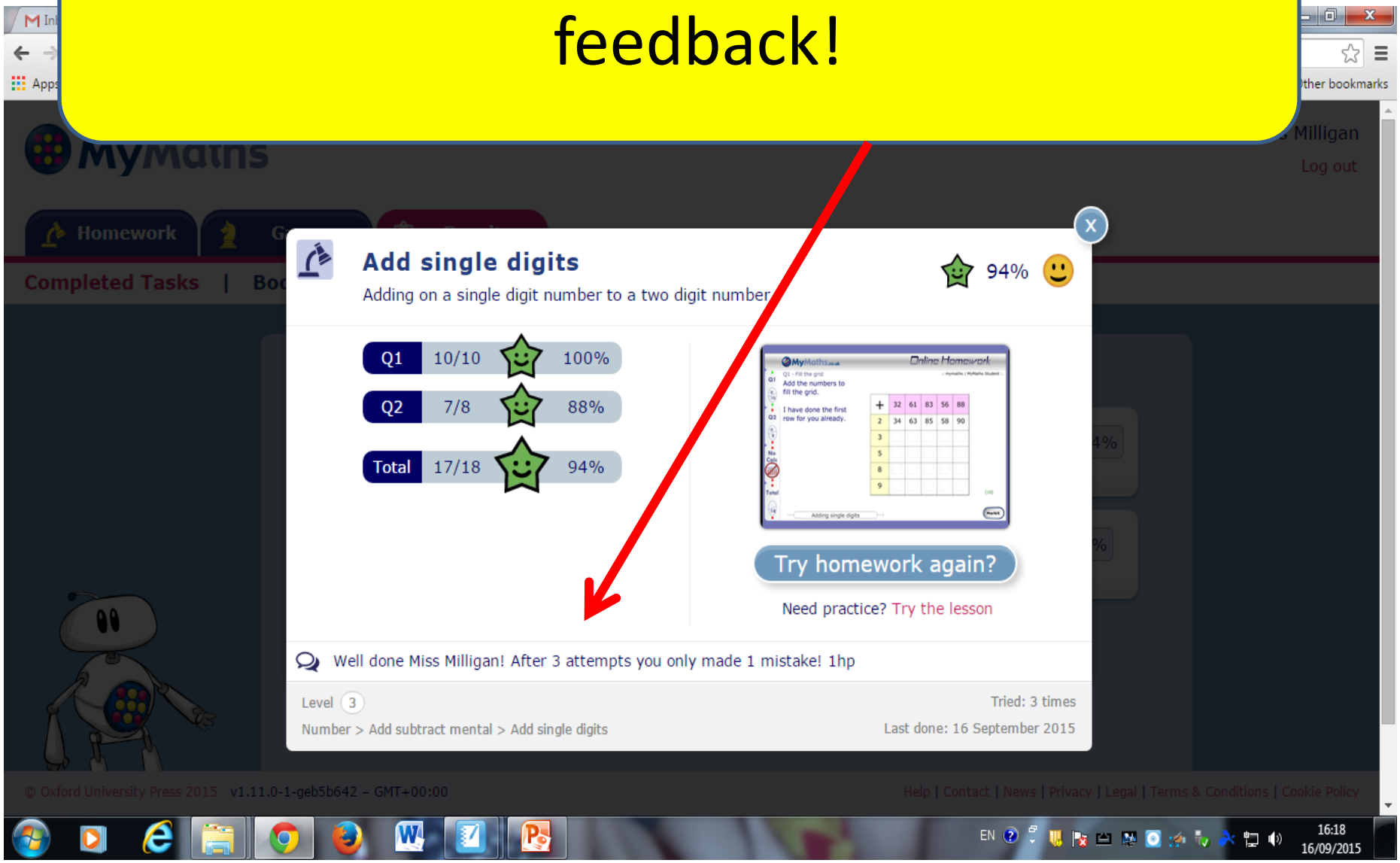
Just click the results section to find it again.

We would like the children to try to achieve an orange face to a green face, but if it is clear that they found this tricky, 2/3 attempts would be enough.



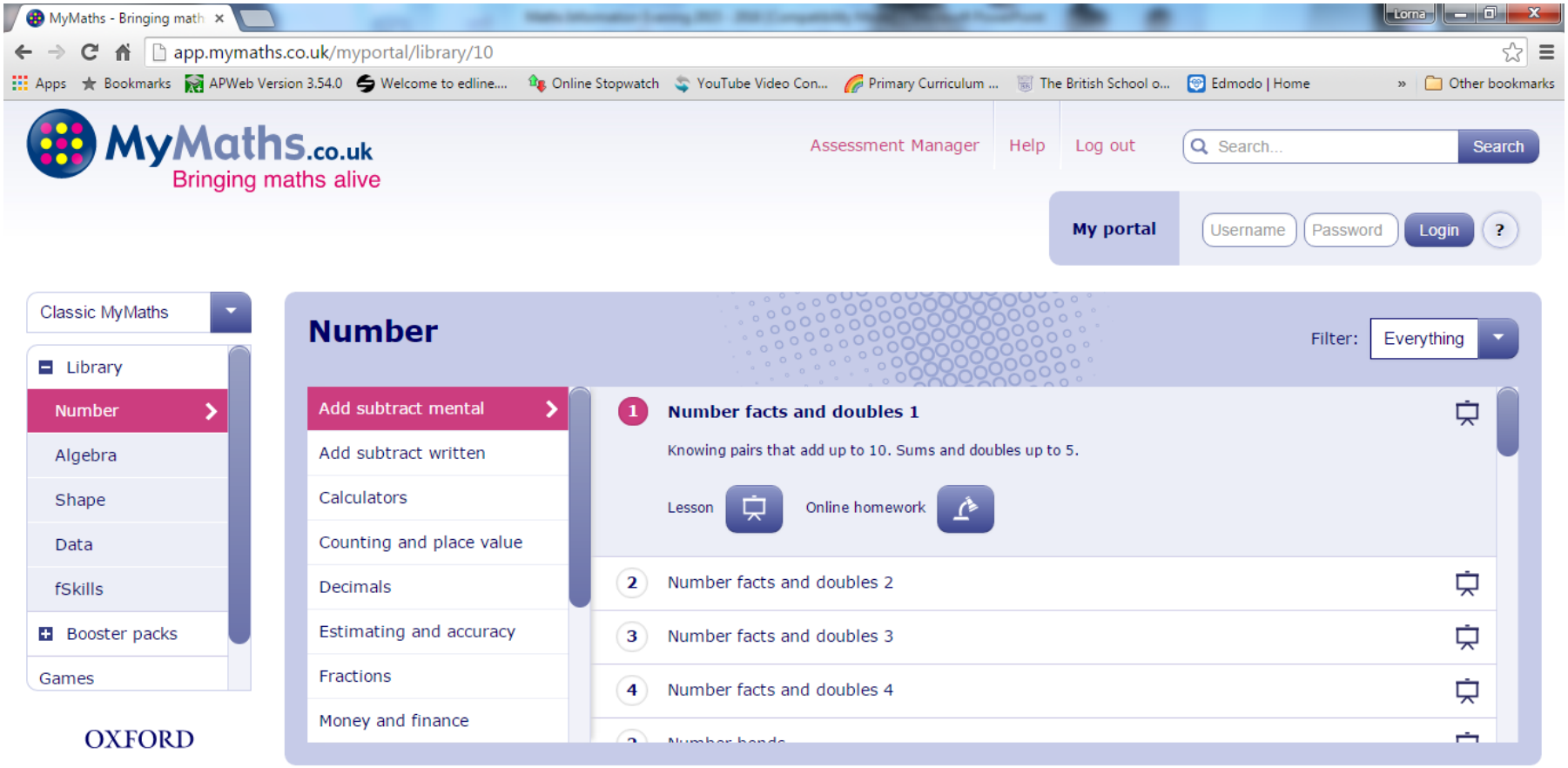
Please encourage your child to reflect on their homework by 'rate it', this will let us know what they found tricky at home!

The Maths teacher will give your child feedback!



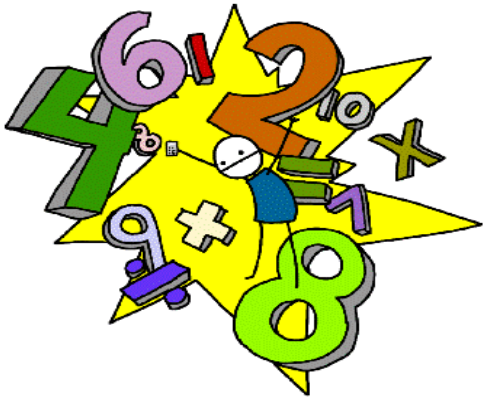
Revision - Library

The Library can be accessed from basic logging on.



Select which of the 5 areas of Maths you would like your child to work on : Number, Algebra, Shape, Data, fskills. The Booster packs are brilliant to work through at home as well for revision.

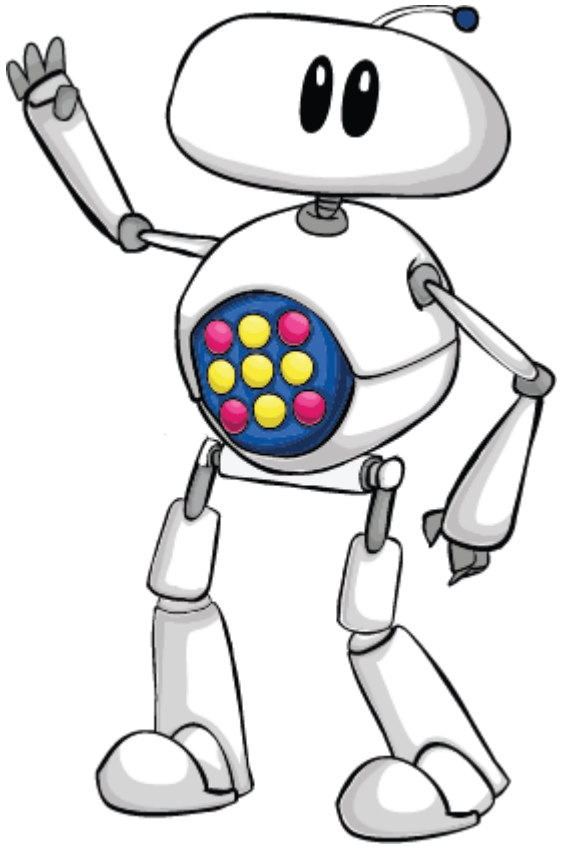
Resources



The resource section consists of three sections:

- **Library** - Designed for you to use at home with your children for extra support.
- **Booster pack** – Here there are lessons and online worksheets to help your child move to the next level.
- **Games** – Interactive games for your child to learn in a fun way.

Any Questions?



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