



# **Changes to the Maths Curriculum 2015 – Y6**



**The main changes – Previous Level 6 standard work now included for all :**

- Circle geometry
- Linear equations and formula
- Division and multiplication of fractions
- Scaling up and down (enlargement)
- Specific methods now to be used in multiplication and division
- Deeper understanding of conversion between decimals, percentages and fractions (to 3 decimal places)
- The  $n$ th term and algebraic sequences
- Area of triangles and parallelograms
- Deeper understanding of ratio and unequal sharing
- Further understanding of angles – corresponding and alternate angles
- Construction of pie charts – not just being able to read them



# **New time limits in SATs**

A new arithmetic paper – 36-40 questions in  
30 minutes

Reasoning paper 1 – now 40 minutes

Reasoning paper 2 – now 40 minutes  
**NO CALCULATORS**



# A deeper understanding – mastery of the subject

More ‘wordy’ questions

More steps in each question

A surface knowledge of the subject won’t do – need a thorough and deep understanding to answer the questions posed.

# An example.....

Previous style questions and knowledge

- On Saturday Lara read two-fifths of her book.

There are 100 pages in Lara's book – how many pages did she read?

Straight-forward – find what two-fifths of 100 is

Answer = 40

On Saturday Lara read two-fifths of her book.

On Sunday she read the other 90 pages to finish the book.

How many pages are there in Lara's book?

Step 1	Need to see that on Sunday she read three-fifths of her book (five fifths in a whole)
Step 2	Need to see that three-fifths = 90 pages
Step 3	Need to see that if three-fifths = 90 pages then one-fifth must equal 90 divided By 3 = 30
Step 4	either five-fifths = 150 pages or three-fifths = 90 and two-fifths read on Sunday = 60 Then $90 + 60 = 150$ altogether.

## Previous style question

Tom has 60 sweets, he gives away one-quarter of them. How many has he left?

Step 1 – Find out what one-quarter of 60 is = 15

Step 2 –  $60 - 15 = 45$

Answer = 45

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## New style question

Tom has  $\frac{5}{12}$  of a jar of sweets. He shares them between himself and 4 of his friends. One of his friends then shares his share with another 3 friends – what fraction does each of the 3 friends get?

**Step 1** - = understand and see that Tom is dividing 60 sweets into 5 groups. Therefore need to work

out  $\frac{5}{12} \div 5 = \frac{5}{12} \div \frac{5}{1} = \frac{5}{12} \times \frac{1}{5} = \frac{5}{60} = \frac{1}{12}$

**Step 2** = Then  $\frac{1}{12} \div 3 = \frac{1}{12} \div \frac{3}{1} = \frac{1}{12} \times \frac{1}{3} = \frac{1}{36}$

Secondary ready now equates to old Level 4b+

Emerging – 4c / **expected – 4b+ bottom end up to 5a**/exceeding –

Old Level 6 (used to be L5C+)

Children will be expected to have mastered these elements of Maths to be ready to move on next year in Secondary.

So ..... if your child comes home talking about Maths they are doing and you think .....I did that for O'Level or GCSE – you probably did!