

MATHEMATICS WORKSHOP

Poulton Lancelyn Primary School

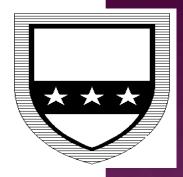


NATIONAL CURRICULUM CHANGES

- New Curriculum introduced from September 2014 for all pupils.
- Children must be mathematically fluent.
- Expectations have changed. Coverage and skills have been "pushed down."
- Need to know booklets highlight the expectations for each year group.
- No longer using levels. Emerging, Expected, exceeding.

SCHOOL CHANGES

- Mathematics priority development area.
 Ofsted 2015
- Maths calculation policy.
- Long term plans for each year group.
- 2 maths lessons per day main and arithmetic
- More focus on number to develop number fluency.
- Intervention support.



WRITTEN MATHEMATICS



- Detailed breakdown for each year group in Mathematics policy. On website.
- Summary document highlights key stages.
- Mathematics session in each year group will outline the calculation methods used within that group.



CLASSROOM ENVIRONMENT





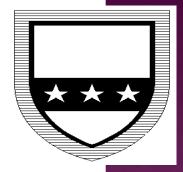
MENTAL MATHEMATICS

• Extra emphasis on mental mathematics.

- -Counting on
- -Doubling and adjusting
- -Rounding and adjusting
- -Partitioning
- -Estimation
- -Number bonds

TIMES TABLES

- Some aspects tested (motivates some).
- Can be used as an assessment tool.
- Ensures pupils know their multiplication and division facts
- 2019 new times tables test for Year 4 pupils. Expected to know 12 x 12.





- Technology (mathletics, apps)
- Homework
- Time
- Shopping
- Times tables
- Doubling



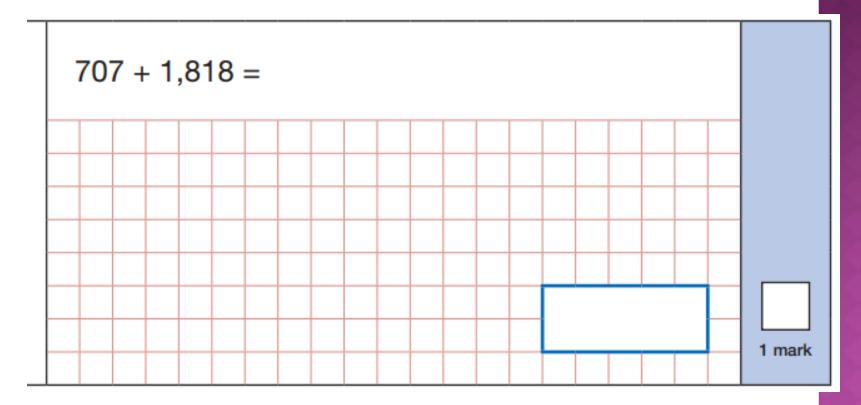
IMPORTANCE OF READING



- Real life problems involve being able to read.
- Trend of poor readers = poor mathematicians.

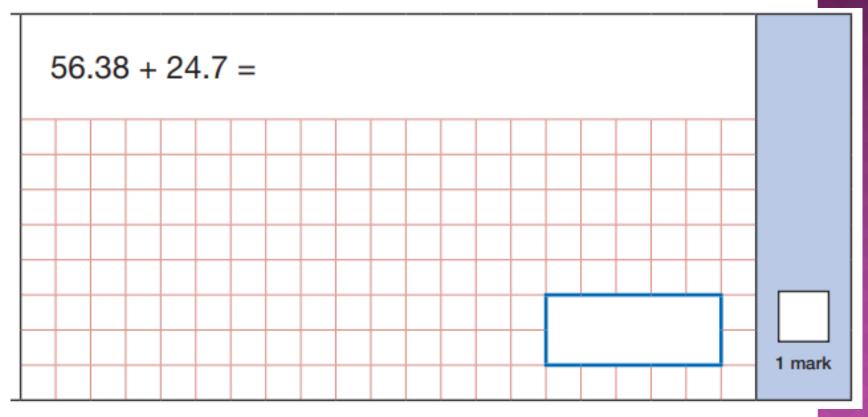


• Here is how we would solve...



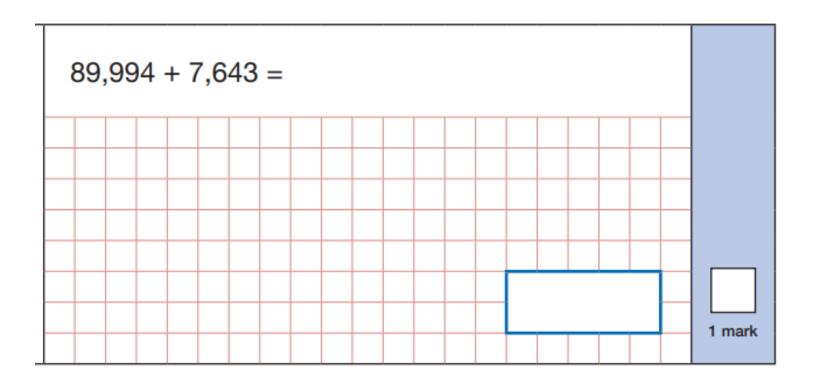
ADDITION

• Sometimes they involve decimals:



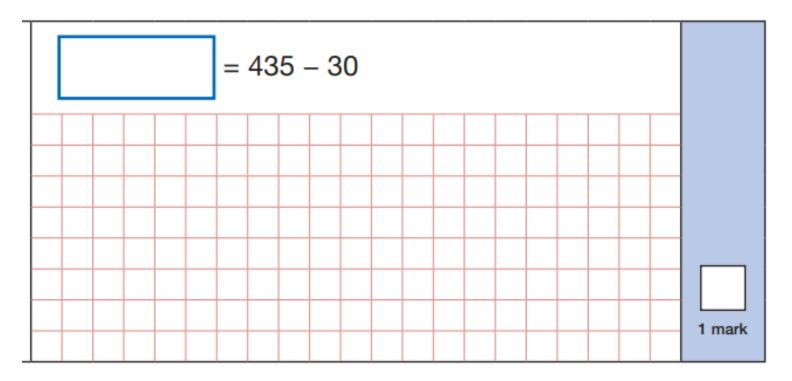
ADDITION

• Now you try...



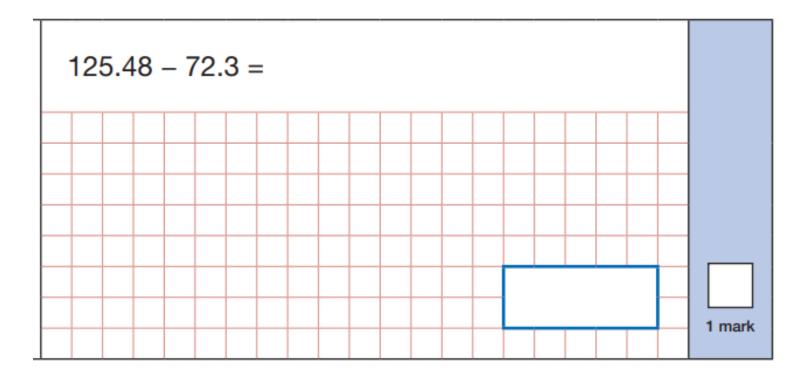
SUBTRACTION

• Here's how we would solve...



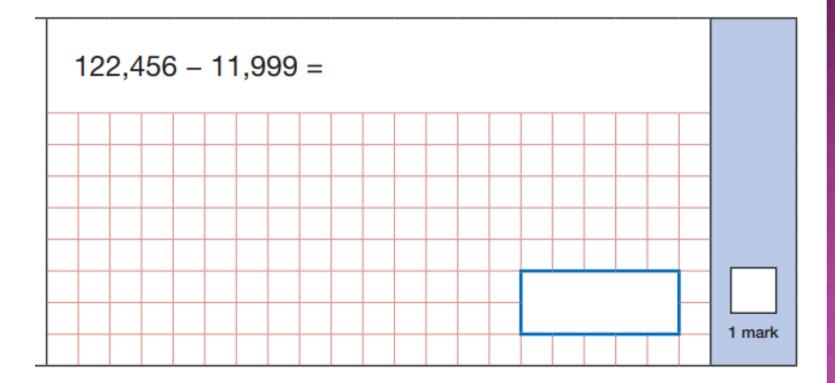
SUBTRACTION

• They may also involve decimals...



SUBTRACTION

• Now you try...



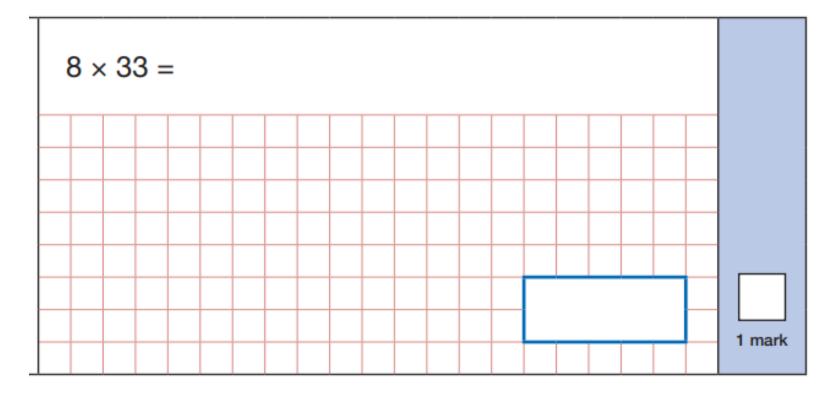
TIME FOR YOU TO HAVE A GO...

 On your tables there are a number of addition and subtraction problems

- You must solve the problems and the answers correlate to a letter on the code sheet.
- By the end of all the problems from today you will have a number of letters that should spell a mathematical word.

MULTIPLICATION

• Here's how we would solve...



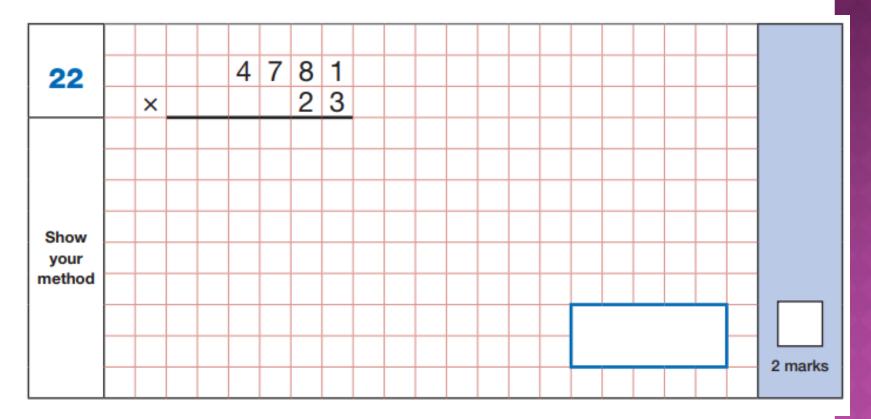
MULTIPLICATION

In year five we also introduce long multiplication...

24			4	1 4	8 6								
Show your method	>			4	0								
													2 marks

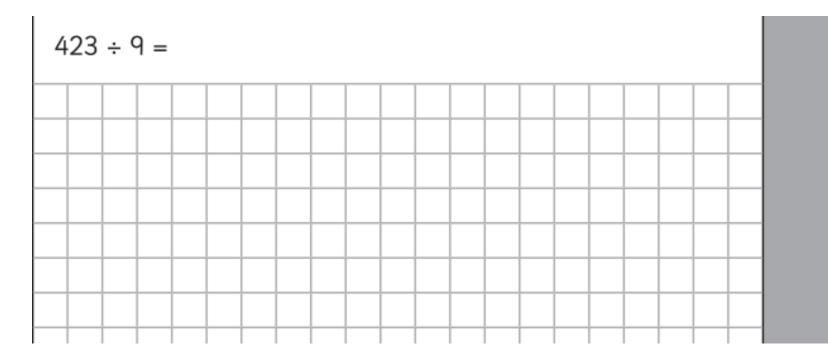
MULTIPLICATION

• Now you try...



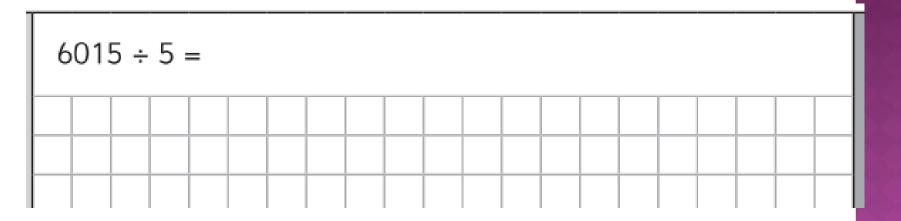
DIVISION

We use the bus stop method to divide in year five.





• Now you try...



TIME FOR YOU TO HAVE A GO...

Now it's time for you to answer some multiplication and division problems.

 Just like earlier, each answer will correspond to a letter to help you guess your code word.

Good Luck