

## MATHEMATICS WORKSHOP

Poulton Lancelyn Primary School

- 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.
- 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.
- 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
- 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 $12 \times 12$.
- Technology (mathletics, apps)
- Homework
- Time
- Shopping
- Times tables
- Doubling
- Real life problems involve being able to read.
- Trend of poor readers = poor mathematicians.


## ADDITION

๑ Here is how we would solve...


## ADDITION

- Sometimes they involve decimals:

| $56.38+24.7=$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## ADDITION <br> - Now you try...



## SUBTRACTION

- Here's how we would solve...



## SUBTRACTION

- They may also involve decimals...

| 125.48-72.3 = |  |  |  |  |  |  |  |  |  |  |  |  |
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## SUBTRACTION

- Now you try...

| 122,456-11,999 = |  |  |  |  |  |  |  |  |  |  |  |
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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.


## AULTIIPLICATION

- Here's how we would solve...



## MULTIPLICATION

- In year five we also introduce long multiplication...



## MULTIPLICATION

- Now you try...



## DIVISION

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



## DIVISION

- 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

