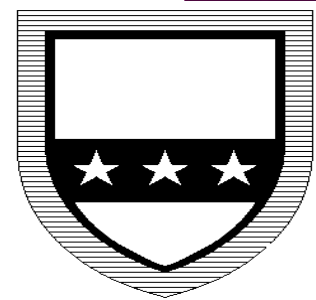


MATHEMATICS

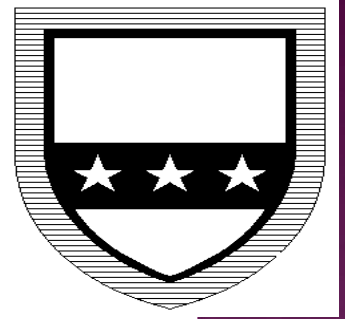
WORKSHOP

Poulton Lancelyn Primary School

NATIONAL CURRICULUM CHANGES

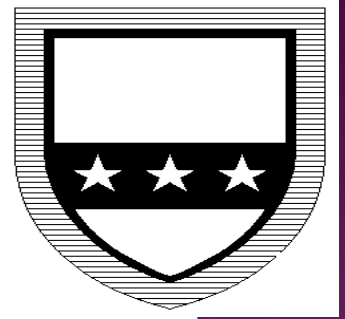


- ◉ New Curriculum introduced from September 2014 for all pupils.
- ◉ Children must be mathematically fluent.
- ◉ Expectations have changed. Coverage and skills have been “pushed down.”
- ◉ Need to know booklets highlight the expectations for each year group.
- ◉ No longer using levels. Emerging, Expected,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



SCHOOL CHANGES

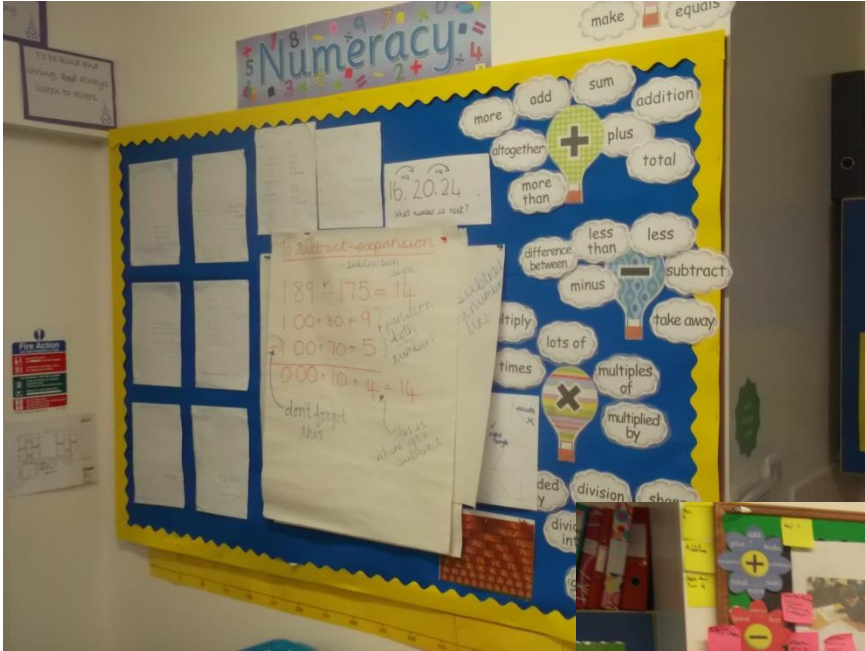
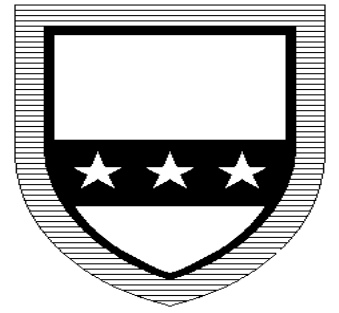
- ◉ Mathematics priority development area. Ofsted 2015
- ◉ Maths calculation policy.
- ◉ Long term plans for each year group.
- ◉ 2 maths lessons per day - main and arithmetic
- ◉ More focus on number to develop number fluency.
- ◉ Intervention support.

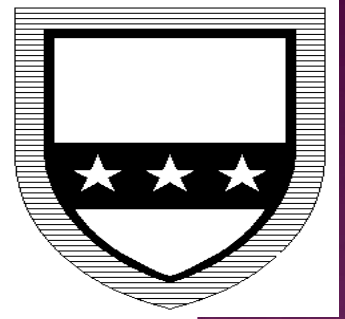


WRITTEN MATHEMATICS

- ◉ Detailed breakdown for each year group in Mathematics policy. On website.
- ◉ Mathematics session in each year group will outline the calculation methods used within that group.

CLASSROOM ENVIRONMENT





MENTAL MATHEMATICS

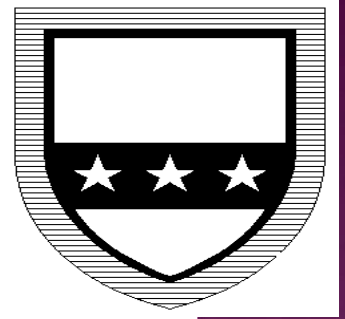
- ◉ Extra emphasis on mental mathematics.

Addition

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

Mental Maths

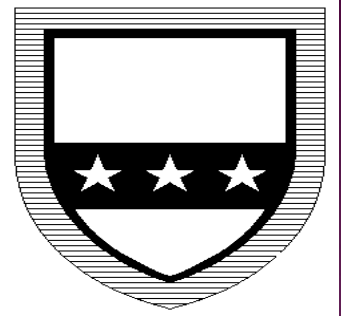
Songs



TIME TABLES

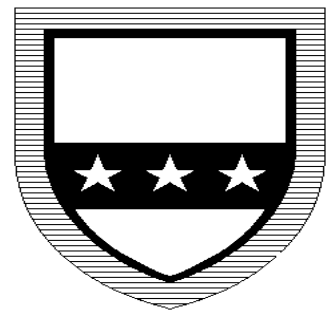
- ◉ Times tables rockstars
- ◉ Some aspects tested (motivates some).
- ◉ Can be used as an assessment tool.
- ◉ Ensures pupils know their multiplication and division facts
- ◉ 2019 - new times tables test for Year 4 pupils. Expected to know 12×12 .

USING AND APPLYING



- Ensures that pupils apply the skills developed from other lessons.

67	44	8	49
225	152	17	251
132	99	133	132
297	595	175	145



USING AND APPLYING EXAMPLES

This simple algebra question is confusing the internet — *can you answer it?*

$$\text{Horse} + \text{Horse} + \text{Horse} = 30$$

$$\text{Horse} + \text{Horseshoe} + \text{Horseshoe} = 18$$

$$\text{Horseshoe} - \text{Boots} = 2$$

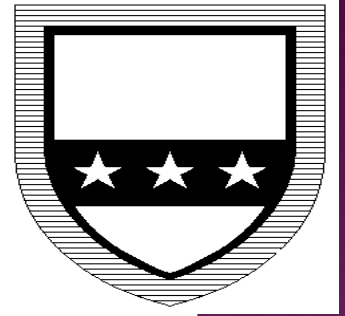
$$\text{Boots} + \text{Horse} \times \text{Horseshoe} = ??$$



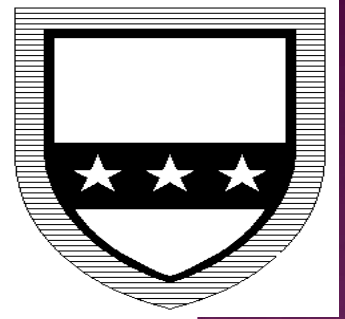
What is the correct answer?

HOME HELP

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



IMPORTANCE OF READING



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