

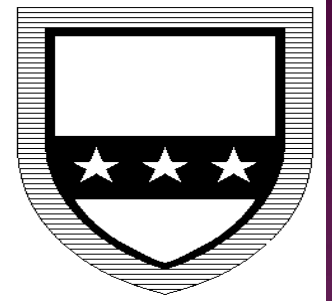
# MATHEMATICS

# WORKSHOP

Poulton Lancelyn Primary School

# NATIONAL CURRICULUM CHANGES

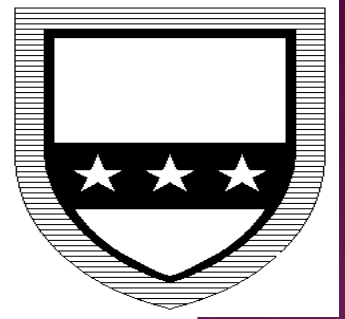
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- ◉ New Curriculum introduced from September 2014 for all pupils.
- ◉ Children must be mathematically fluent.
- ◉ Expectations have changed. Coverage and skills have been “pushed down.”
- ◉ Need to know booklets highlight the expectations for each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

# SCHOOL CHANGES

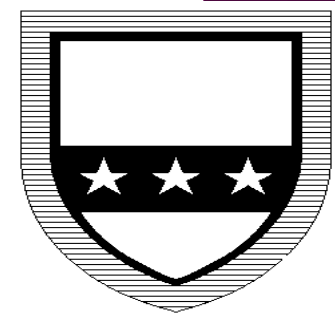
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- ◉ Mathematics priority development area. Ofsted 2015
- ◉ Maths calculation policy.
- ◉ Long term plans for each year group.
- ◉ 2 maths lessons per day - main and arithmetic
- ◉ More focus on number to develop number fluency.
- ◉ Intervention support.

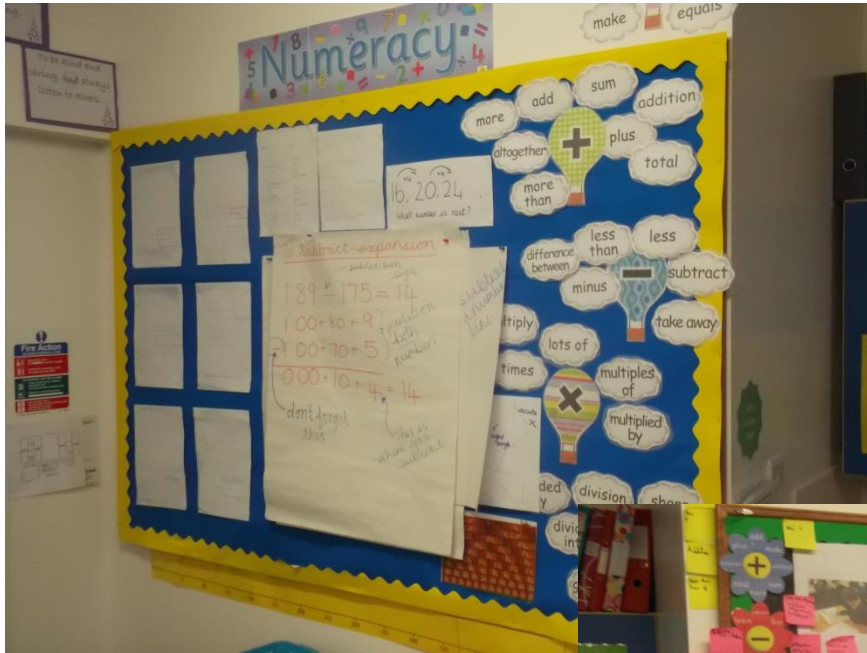
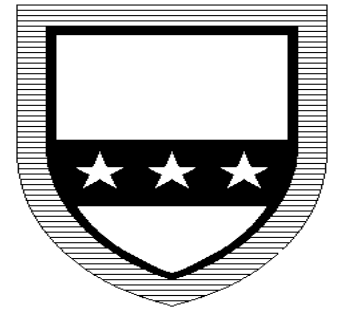
# WRITTEN MATHEMATICS

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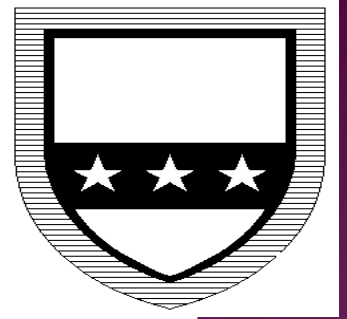
- ◉ Detailed breakdown for each year group in Mathematics policy. On website.
- ◉ Summary document highlights key stages.
- ◉ Mathematics session in each year group will outline the calculation methods used within that group.

# CLASSROOM ENVIRONMENT



# MENTAL MATHEMATICS

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- ◉ Extra emphasis on mental mathematics.

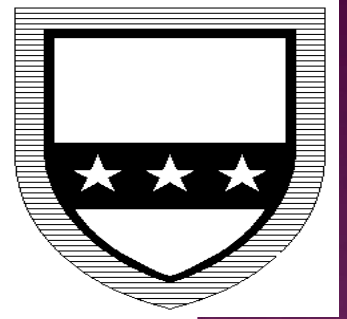
## Addition

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

Mental Maths

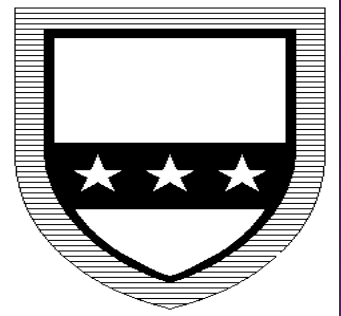
Songs

# TIME TABLES



- ◉ Times tables rock starz
- ◉ 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.

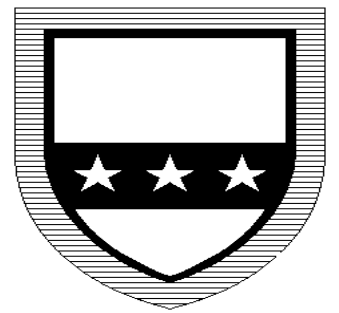
# USING AND APPLYING



- 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?***

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

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

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

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

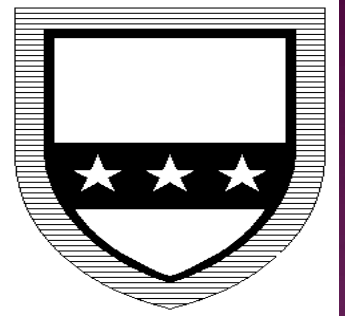


What is the correct answer?

# HOME HELP

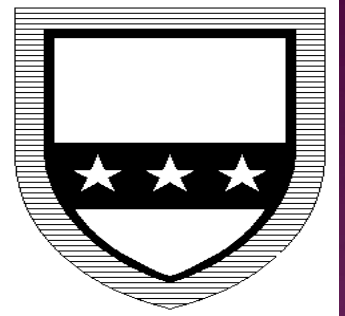
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- Technology (mathletics, apps)
- Homework
- Time
- Shopping
- **Times tables**
- Doubling



# IMPORTANCE OF READING

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

# WORKSHOPS

- Year 1
- Year 2
- Year 3
- Year 4
- Year 5
- Year 6 - countdown, making numbers, problem variety activity