Maths HJS

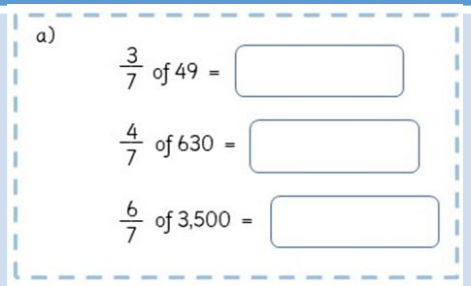
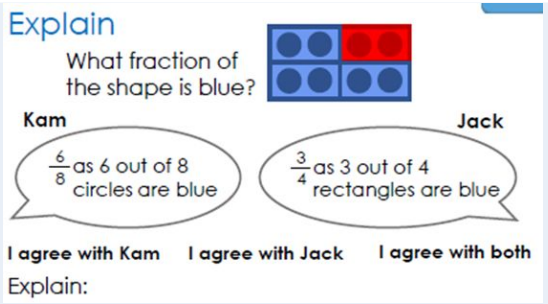
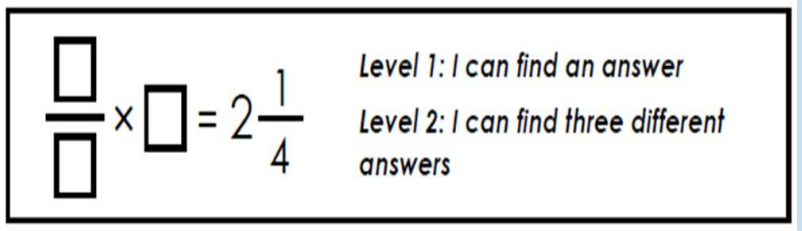
Miss Cooper

Overview

- Maths curriculum
- Maths in the classroom
- Summative assessments
- Supporting your child

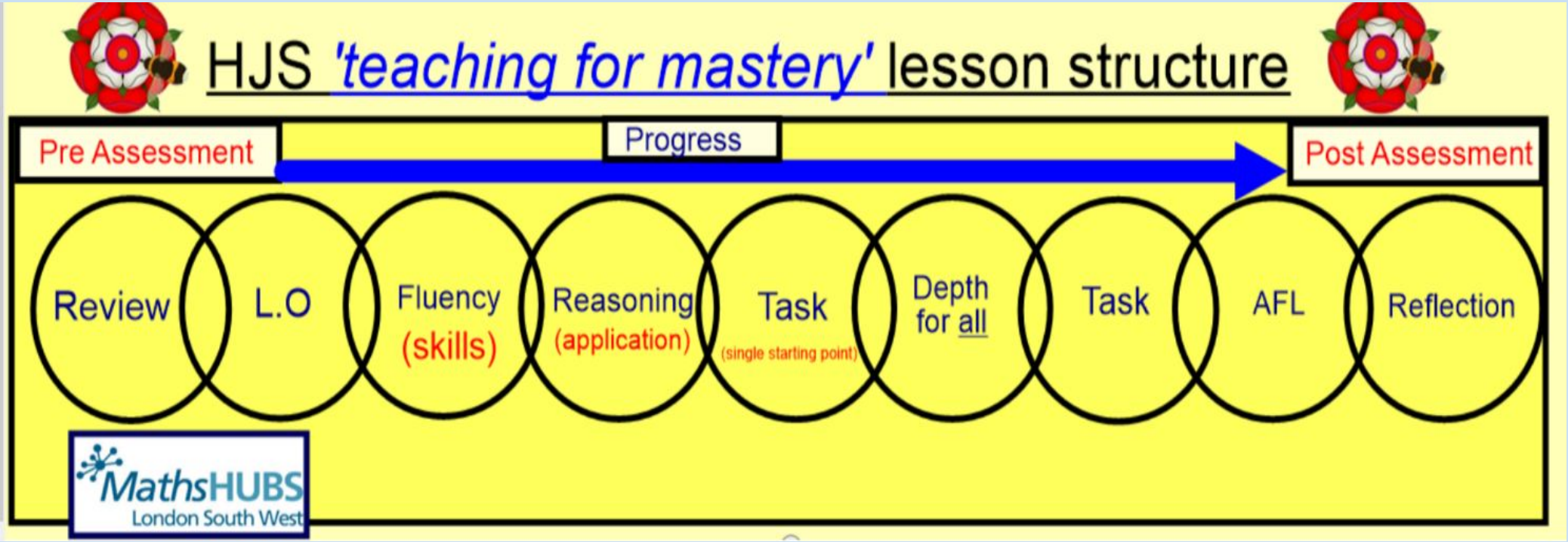
Maths Curriculum

National Curriculum Aims: fluency, reasoning and problem solving

Skill	Definition	Example
Fluency	Children will be able to develop their conceptual understanding and be able to recall and apply knowledge rapidly and accurately	
Reasoning	Children will be able to follow a line of enquiry, conjecture relationships and generalisations, and develop an argument, justification or proof using mathematical language	
Problem Solving	Children will be able to apply their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions	

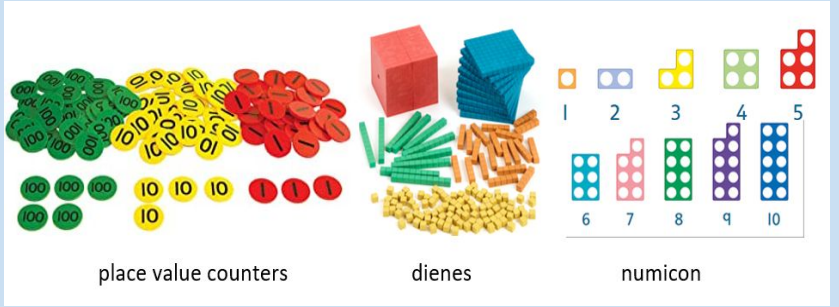
Maths Curriculum

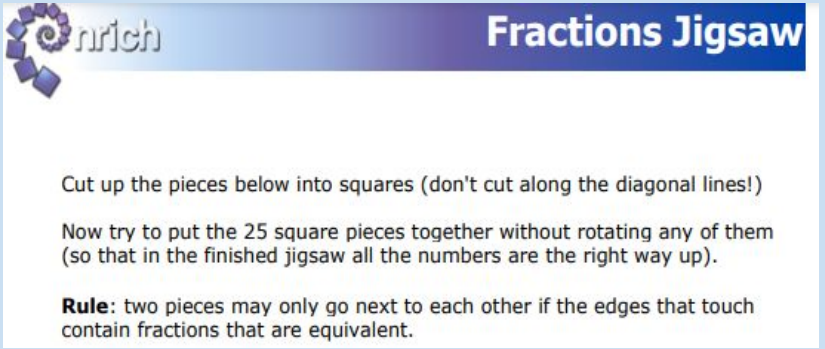
- Maths Mastery Approach
- Same structure across the school
- Children have a clear understanding of what each lessons entails

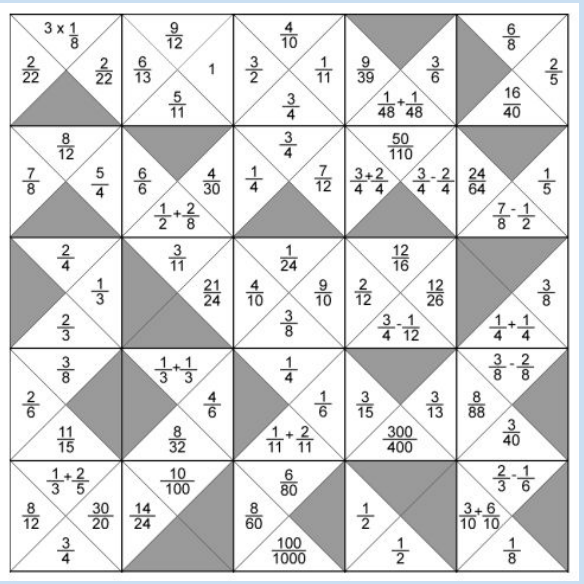


Meeting the needs of all children
support and challenge

- Quality first teaching
- Explicit teaching of vocabulary
- Opportunities to move learning on
- Concrete resources
- Fluidity of groupings
- LSAs deployed effectively
- High quality resources







Summative assessments

Year 3 – 5 have termly assessments
Year 6 have half termly assessments

Year 4 Multiplication Tables Check

- Monday 3rd June – Friday 14th June 2024
- 25 questions (6 seconds per question)
- End of Year 4 children must know their tables up to 12 x 12

- **KS2 SATs**
- Monday 13th May – Thursday 16th May 2024
- 3 maths papers
- Arithmetic (Paper 1) and Reasoning (Paper 2) Wednesday 15th May
- Reasoning (Paper 3) Thursday 16th May

How you can support your child

Calculation Policy

- At the root of all maths is the essential number knowledge
- Consistent approach to mastering the four number rules
- Clear sequence of development through Key Stage 2

How you can support your child

Calculation Policy

Year 3: Columnar addition, including carrying numbers

*See below

Columnar addition:

National Curriculum statutory objectives:

- Add numbers **with up to three digits**, using the formal written method of columnar addition
- Estimate the answer to a calculation and use inverse operations to check answers.
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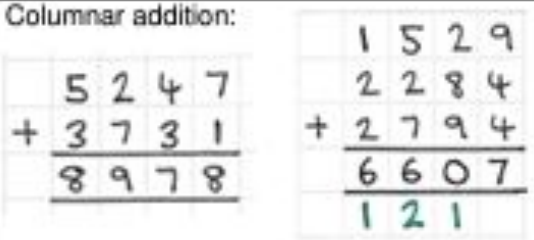
Year 4: Columnar addition, including carrying numbers

*See below

Columnar addition:

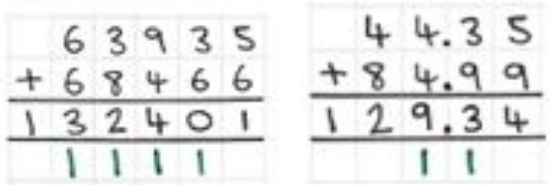


National Curriculum statutory objectives:

- Add numbers **with up to four digits,** using the formal written method of columnar addition.
- Estimate the answer to a calculation and use inverse operations to check answers.

Year 5: Columnar addition, including decimal numbers up to 2 decimal places (2dp)

Columnar addition:

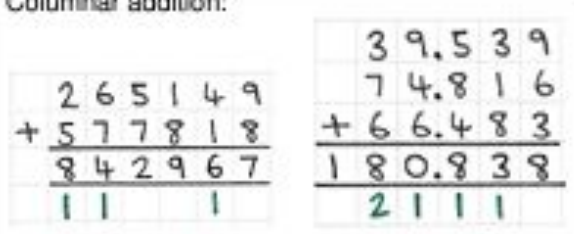


National Curriculum statutory objectives:

- Add numbers **with more than four digits,** using the formal written method of columnar addition
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Year 6: Columnar addition, including decimal numbers up to 3 decimal places (3dp)

Columnar addition:



National Curriculum statutory objectives:

- Add numbers **with more than four digits,** using the formal written method of columnar addition
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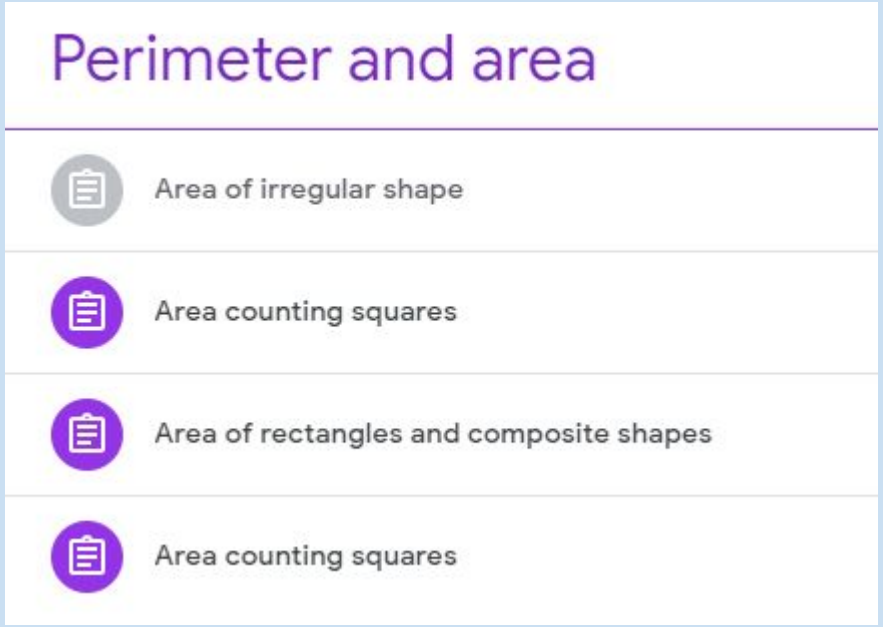
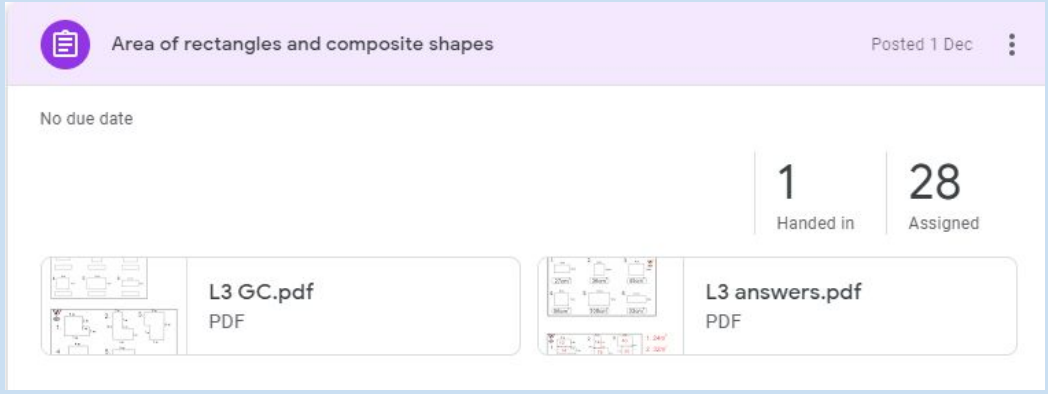
How you can support your child



Google classroom

- Y4 - 6 all lesson tasks are on Google Classroom
- Y3 will start posting tasks in the spring term
- Homework



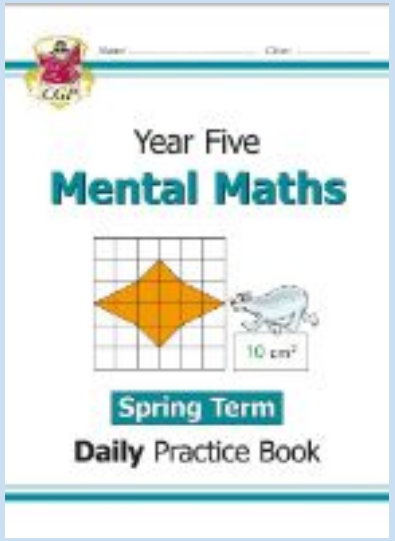
How you can support your child

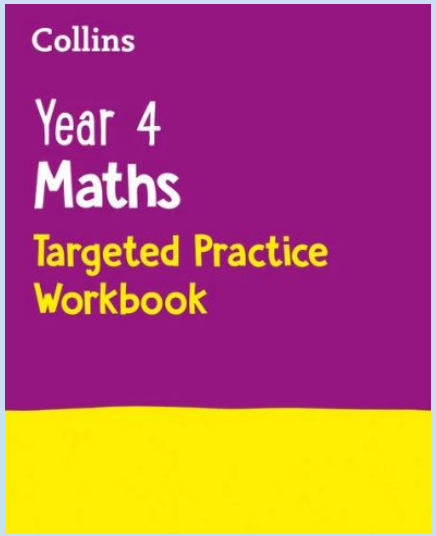
Resources to keep skills warm and make maths fun

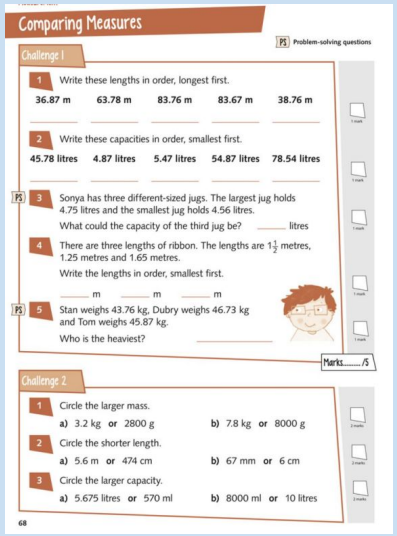
- Times Tables Rock Stars
- NumBots
- Maths Zone
- Top marks
- Timestables.co.uk

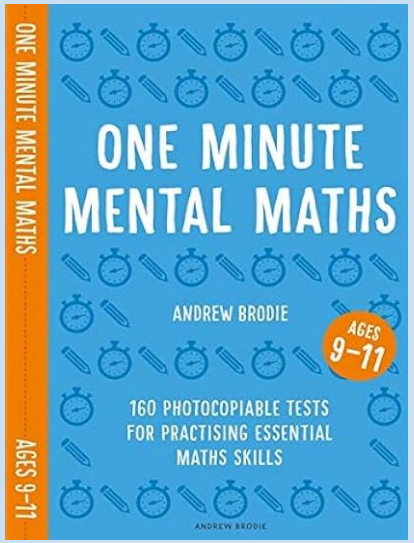
How you can support your child

- CGP books
- Rising Stars
- Collins
- Mental maths









Final thoughts

- Make maths fun
- Use day to day opportunities
- Marvellous Mistakes
- Short and frequent

Any questions?