

# MATHEMATICS

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Expectations in the new National Curriculum Tests

# Maths

- Children will sit three papers in Maths:
- Paper 1: arithmetic, 30 minutes
- Papers 2 and 3: Mathematical fluency, solving problems and reasoning, 40 minutes per paper

# Maths

- There is an increased importance of the children using the correct method when solving calculations.
- They will need a pencil or pen, eraser, ruler (cm & mm), protractor and mirror.
- No calculators will be allowed in any of the papers.

# Maths

32	4 3   1 1 1 8	
Show your method		<input type="text"/>
		<input type="checkbox"/> 2 marks

- Pupils will have 30 minutes to answer approximately 35 questions.
- Speed and accuracy are key.

1	$987 + 100 =$	
		<input type="text"/>
		<input type="checkbox"/> 1 mark

29	$15\% \times 440 =$	
		<input type="text"/>
		<input type="checkbox"/> 1 mark

# Maths

- Papers 2 and 3 will involve a number of question types, which may include:
  - Multiple choice
  - True or false
  - Fixed answer questions, e.g. giving the answer to a calculation, drawing a shape or completing a table or chart.
  - Multiple answer questions, where children will have to explain their approach for solving a problem.

# Maths

- Here is an example question

Miss Mills is making jam to sell at the school fair.

Strawberries cost £7.50 per kg.

Sugar costs 79p per kg.

10 glass jars cost £6.90

She uses 12 kg of strawberries and 10 kg of sugar to make 20 jars full of jam.

Calculate the total cost to make 20 jars full of jam.

A large grid for working out the answer, with a small box at the bottom right for the final answer.

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# Maths

## What can you do to help?

- Quick mental facts- doubling and halving, adjusting for mental addition and subtraction. Learn all the time tables up to  $12 \times 12$
- Learn all the division facts up to  $12 \times 12$
- Practise formal methods of addition, subtraction, multiplication and division
- Answer questions in their SATS practice books - these are similar to the reasoning paper.