

SATs Information Evening



Monday 18th
September 2023



Structure of the evening



- 6:00-6:15pm** Information about SATs and SATs week
- 6:15-6:30pm** Maths session
- 6:30-6:45pm** English session

2024 Test timetable

Monday 13 th May	Tuesday 14 th May	Wednesday 15 th May	Thursday 16 th May
<p data-bbox="108 519 440 872">English grammar, punctuation and spelling test.</p> <p data-bbox="88 976 465 1339">Paper 1: Short answer questions Paper 2: Spelling</p>	<p data-bbox="523 519 938 644">English reading test</p>	<p data-bbox="1006 519 1379 572">Mathematics.</p> <p data-bbox="1051 672 1335 796">Paper 1: arithmetic</p> <p data-bbox="1056 901 1329 1039">Paper 2: reasoning</p>	<p data-bbox="1462 519 1835 572">Mathematics.</p> <p data-bbox="1514 672 1787 811">Paper 3: reasoning</p>

Participation in the tests



- Pupils working well below the standard of the tests.
- Access arrangements- must be based on normal classroom practice.
- Small groups.
- Absence during test week.



Score conversions

	2016	2017	2018	2019	2022	2023
Maths	60/110	57/110	61/110	58/110	58/110	56/110
Reading	21/50	26/50	28/50	28/50	29/50	24/50
Grammar, punctuation and spelling	43/70	36/70	38/70	36/70	35/70	36/70

Scaled scores



- A scaled score of 100 will always represent the ‘expected standard’.
- The pupil’s raw score will be translated into a scaled score.

Scaled scores help test results to be reported consistently from one year to the next. National curriculum tests are designed to be as similar as possible year on year, but slight differences in difficulty will occur between years. Scaled scores maintain their meaning over time so that two pupils achieving the same scaled score in different years will have demonstrated the same attainment.

The lowest scaled score that can be awarded is 80 and the highest is 120. 110 is unofficially classed as greater depth/Mastery.

Results

- Raw score.
- A scaled score.
- Confirmation of whether or not they attained the expected standard (AS/NS)
- Teacher Assessment- Writing, science and pre-key stage.
- TA for KS2 English writing is subject to statutory external moderation.



Test results and teacher assessments

DfE Statutory Assessments

KS2

KS2: Grammar, Punctuation and spelling Outcome	NS
KS2: Grammar, Punctuation and Spelling Scaled Score	97
KS2: Grammar, Punctuation, Vocabulary and Spelling Raw Score	31
KS2: Mathematics Outcome	AS
KS2: Mathematics Scaled Score	102
KS2: Mathematics Total Raw Score	65
KS2: Reading Outcome	AS
KS2: Reading Raw Score	25
KS2: Reading Scaled Score	101
KS2: Science	EXS
KS2: Writing	WTS

Teacher assessments



Subject	Teacher assessment code
Writing	EXS
Science	EXS

KS2 science teacher assessment codes

For KS2 science there are two standards teachers are allowed to report:

- working at the expected standard (EXS)
- has not met the expected standard (HNM)

Teacher assessments



Subject	Teacher assessment code
Writing	GDS
Science	EXS

KS2 English writing teacher assessment codes

For KS2 English writing, teacher assessment is the primary outcome used for accountability as pupils do not sit a writing test. There are four standards teachers must use to report:

- working towards the expected standard (WTS)
- working at the expected standard (EXS)
- working at greater depth within the expected standard (GDS)



Maths session



- Our curriculum
- Calculation methods
- The tests- Sample questions
- Useful websites and books
- Revision ideas
- What we do in school
- Scaled Scores and reporting



Our curriculum- autumn term

TOPIC	STRAND	SUB-STRANDS
Number	Number 1 and place value, approximation and estimation/rounding	Read, write, order and compare numbers up to 10 000 000 Identify, represent and estimate; rounding. X and / by 10, 100 and 1000 Rounding Negative numbers Number problems.
Number	Addition, subtraction, multiplication and division (Calculations 1)	Add and subtract mentally Use all four operations and BIDMAS Add/subtract using written methods. Estimate, use inverse and check. Solve problems involving all four operations.
Geometry	Geometry 1- Properties of shapes 1	Circle parts and circumference. Draw 2D shapes. Describe properties, compare and classify shapes.
Number	Addition, subtraction, multiplication and division (Calculations 2)	Multiply/divide mentally. Multiply/divide using written methods. Associate a fraction with division. Solve problems. Order of operations.
Measurement	Measurement 1	Convert between metric units Convert metric/imperial Solve problems
Number	Number 2- Fractions, decimals and percentages 1	Value of digits in decimals. Solve problems involving rounding. Simplify and find equivalent fractions. Fraction/decimal/% equivalence. X decimals. Division problems.
Statistics	Statistics	Interpret and construct pie charts and line graphs. Solve problems involving data. Mean average.

Our curriculum- spring term

TOPIC	STRAND	SUB-STRANDS
Number	Calculations 3	Identify common factors and prime numbers. Order of operations. Use estimation to check answers.
Geometry	Geometry 2- Position and direction	Co-ordinates Translation and reflection.
Number	Ratio and proportion	Scale factor Sharing
Measurement	Measurement 2	Perimeter Area Volume Converting units of measure
Number	Number 3	Compare and order fractions Improper and mixed number fractions + and – fractions X fractions ÷ fractions
Geometry	Geometry 3- Properties of shape	3D shapes Nets Drawing shapes Missing angles

Our curriculum- summer term

TOPIC	STRAND	SUB-STRANDS
Algebra	Algebra 1	Simple formulae Missing number problems Sequences find pairs of numbers that satisfy number sentences involving two unknowns Enumerate (list) all possibilities of combinations of two variables

SATs week

For the remainder of the year classes will cover:

- Areas that need further work from the topics covered
- Calculator work
- Year 7 preparation
- Investigations and problem solving

Where can you find the curriculum calendar?

- Curriculum
- Mathematics
- Scroll down to 'Maths KS2'

Calculation Methods



- Pupils are expected to use the traditional methods.
- Arithmetic lessons.

Calculation Methods



Addition

Pupils are taught to add numbers using the column method

$$\begin{array}{r} 57\ 648 \\ + 31\ 486 \\ \hline 89\ 134 \\ \hline 1\ 1\ 1 \end{array}$$

$$\begin{array}{r} 658.4 \\ + 48.52 \\ \hline 706.92 \\ \hline 1\ 1 \end{array}$$

Calculation Methods



Subtraction

As with addition, pupils are expected to use the column method for subtraction also.

1) Without exchanging

$$\begin{array}{r} 8967 \\ - 2654 \\ \hline 6313 \end{array}$$

2) With exchanging

$$\begin{array}{r} \overset{5}{\cancel{6}} \overset{13}{4} \overset{1}{\cancel{6}} 7 \\ + 2684 \\ \hline 3783 \end{array}$$

Calculation Methods



Multiplication

Pupils are encouraged to multiply numbers in columns.

$$\begin{array}{r} 38 \\ \times 7 \\ \hline 266 \\ 5 \end{array}$$

This then moves on to multiplying larger numbers and decimals (this is where pupils *can* struggle)

$\begin{array}{r} 24 \\ \times 16 \\ \hline 144 \\ 240 \\ \hline 384 \end{array}$	$\begin{array}{r} 124 \\ \times 26 \\ \hline 744 \\ 2480 \\ \hline 3224 \\ 11 \end{array}$	$\begin{array}{r} 45.6 \\ \times 8 \\ \hline 364.8 \\ 44 \end{array}$
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Two arrows point from the bottom of the second and third columns to the '240' line in the first column, highlighting the missing zero in the second column's calculation.

The most common error here is remembering to put in a zero when multiplying by the tens

Calculation Methods



Division

Pupils are encouraged to use short division.

$98 \div 7$ becomes

$$\begin{array}{r} 14 \\ 7 \overline{) 98} \end{array}$$

Answer: 14

This then gets extended to dividing numbers to get a decimal answer.

$23.5 \div 5$ becomes

$$\begin{array}{r} 04.7 \\ 5 \overline{) 23.5} \end{array}$$

Answer: 4.7

When dividing by a two digit number pupils are encouraged to use short division and to have the first 9 multiples of the divisor (number to be divided by) written out to help them.

$$\begin{array}{r} 036 \\ 21 \overline{) 756} \end{array}$$

$1 \times 21 = 21$
 $2 \times 21 = 42$
 $3 \times 21 = 63$
 $4 \times 21 = 84$
 $5 \times 21 = 105$
 $6 \times 21 = 126$
 $7 \times 21 = 147$
 $8 \times 21 = 168$
 $9 \times 21 = 189$



Mathematics Test Papers

- Children will sit three tests: Paper 1, Paper 2 and Paper 3.
- Paper 1 is 'Arithmetic' which lasts for 30 minutes, covering calculation methods for all operations, including use of fractions, percentages and decimals.
- Questions gradually increase in difficulty. Not all children will be expected to access some of the more difficult questions later in the paper.
- Papers 2 and 3 cover 'Problem Solving and Reasoning', each lasting for 40 minutes.
- Pupils will still require calculation skills but will need to answer questions in context and decide what is required to find a solution.

Sample questions – Paper 1



24 $15.4 - 8.88 =$

1 mark

25 1 3 | 3 0 1 6

Show your method

2 marks

Sample Questions – Paper 1



Q1. $326 \div 1 =$

Q2. $468 - 9 =$

Q3. = $435 - 30$

Q4. $100 \times 412 =$

Q5. $15.98 + 26.314 =$

Q6. $3^2 + 10 =$

Q7. $1\frac{4}{5} + \frac{3}{10} =$

Q8. 20% of 1,800 =

Q30. 6574×31

Q32. $1118 \div 43$

Q34. $\frac{2}{5} \times 140$

Sample Questions – Paper 2 & 3

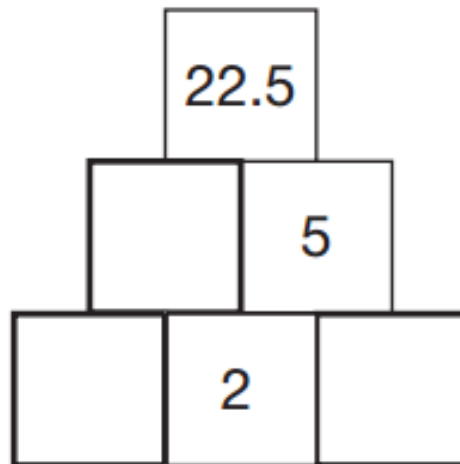


14

Here is a number pyramid.

The number in a box is the **product** of the two numbers below it.

Write the missing numbers.



2 marks

Sample Questions – Paper 2 & 3

16

Large pizzas cost £8.50 each.

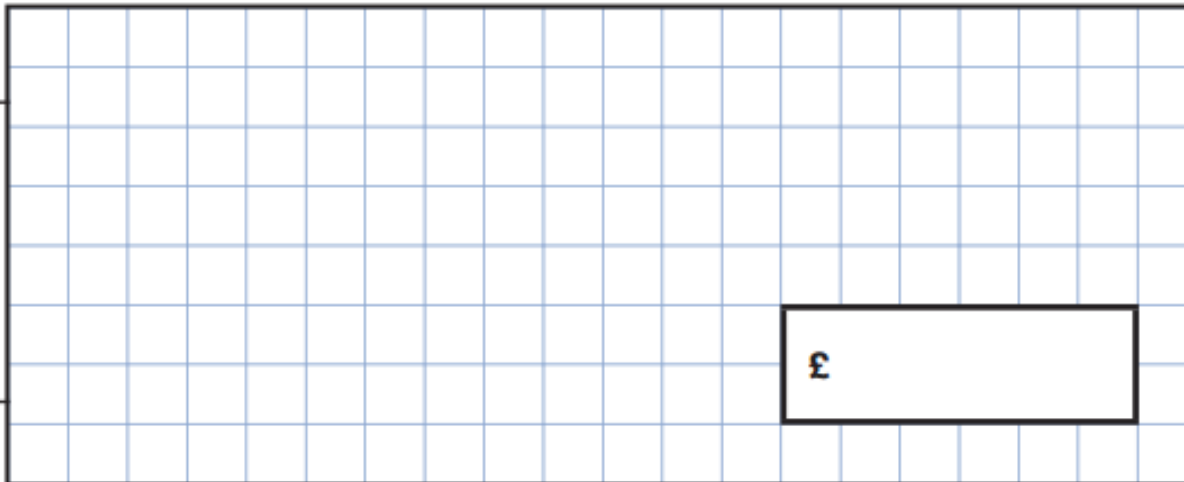
Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?

Show
your
method



£

2 marks



Ways we prepare the pupils:

- Two formal practice papers (November and March)
- Arithmetic lessons
- Arithmetic tests (monthly)
- Learning boost sessions organised
- Ten 4 Ten revision materials
- Weekly homework tasks (My Maths & TTR)
- Fun and varied revision lessons tailored to pupils' needs



Ways to help at home :

- Continue to practise and times tables - make it as fun as possible and use Times Table Rockstars to help with this.
- Encourage the completion of all pieces of homework (Tuesday's and Friday's).
- Focus on developing enjoyment and curiosity surrounding Maths.



Useful books and websites....

- **CGP:**
 1. **Targeted question book**
 2. **SATs question book**
 3. **Arithmetic**
 4. **Practice papers**

- Letts, Collins, Rising Stars – all do study guides

- BBC Education have produced a whole host of materials for KS2. Follow the KS2 link and then select Maths. Some aspects require a subscription - <http://www.bbc.co.uk/education>

- A site with Maths based quizzes which are marked as you go along - <http://www.educationquizzes.com/ks2/maths/>

- A site with a range of information and questions – great for revision purposes! http://www.icteachers.co.uk/children/children_sats.htm

The English KS2 Standard Attainment Tests



Let's eat grandma!



Let's eat, grandma!

**PUNCTUATION
SAVES LIVES!**

Our curriculum:

Topic	Learning Aims	Assessment
<p>Oracy and Storytelling: The Story Spinner</p>	<p>-To identify and discuss themes and conventions in and across a wide range of writing.</p> <p>-To use organisational and presentational devices to structure text and to guide the reader.</p> <p>-To maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments.</p> <p>Key vocabulary – bullet points, consistency, passive voice, active voice, oracy, orator, fluency, lupus, inquest, copse</p>	<p>Practice SAT paper Extended writing assessed over the term</p>
<p>The Daydreamer by Ian McEwan</p>	<p>-To participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously</p> <p>-To explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary</p> <p>Key vocabulary – preface, covenant, edition, oblivion, entrusted, neglecting, stench, googolplex, squabble, wrenched, pitted, hank</p>	

Classic and contemporary poetry

- To prepare poems to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience.
- Plan, draft, re-draft/edit a range of extended written pieces.
- To give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings.

Key vocabulary –
memoir, reminisce, reminiscent, evoke, evocative, emotive, chronology, excerpt, to document, anthology

Practice SAT papers
Extended writing assessed over the term

Classic literature vs modern multimedia

- To discuss and evaluate how authors use language and consider the intended impact on the reader.
- To assess the effectiveness of their own and others' writing.
- To gain, maintain and monitor the interest of the listener

Key vocabulary –
infer, deduce, summarise, synonym, antonym, homonym, cohesion, clarity, to define, register

Practice SAT papers
Extended writing assessed over the term



**The
Jungle Book by Rudyard
Kipling**

-To explain and discuss their understanding of what they have read, including through formal presentations and debates.

-To select and use appropriate registers for effective communication

Key vocabulary –

ornate, restraint, waif, seldom, integrated, unparalleled, humble, crude, mannequin, flail, semi-colon, colon, dash, hyphen, subjunctive, abominable, bade, carrion, fastidious, furrows, jowl, penitent

SAT Week

End of Year GL Assessments



The English tests:

-English Grammar, Punctuation and Spelling (SPAG)

SPAG Paper 1: 45 minutes, 50 marks

-English Grammar, Punctuation and Spelling (SPAG)

SPAG Paper 2: approximately 15 minutes, 20 marks

-English Reading paper: 60 minutes, 50 marks

- Writing will be Teacher Assessed, as in recent years, so there is no formal test for this





The reading paper

- A single test paper with three unrelated reading texts
- 60 minutes in total, including reading the texts and answering the questions
- 50 marks
- Questions assess comprehension of reading
- Some questions are multiple-choice or selected response, others require short answers and some require an extended response or explanation



English Reading Paper – example questions:



She resettled on the branch, considering her options.

What does *considering her options* mean in this sentence?

Tick one.

thinking about what to do

changing her mind

looking at it from the cat's point of view

wishing her mother was there

1 mark



Using information from the text, put a tick in the correct box to show whether each statement is **true** or **false**.

	True	False
Matthew Webb's first attempt to swim the English Channel was not successful.		
The first successful swim of the English Channel was in 1872.		
J.B. Thompson and Matthew Webb swam the English Channel in 1875.		
Matthew Webb took twenty hours to swim the English Channel.		

2 marks



What impressions do you get of Piper's house?

Give **two** impressions, using evidence from the text to support your answer.

Impression	Evidence
<hr/>	<hr/> <hr/> <hr/>
<hr/>	<hr/> <hr/> <hr/>

3 marks



English Grammar, Punctuation and Spelling (SPAG)

SPAG Paper 1:

- Paper 1 – A detailed test of 45 minutes, requiring short answer questions, including some multiple choice – 50 marks
- Paper 2 - 20 words given, lasting approximately 15 minutes – 20 marks
- Marks for these two tests are added together to give a total for Spelling, Punctuation and Grammar - 70 marks combined





Which sentence uses the **colon** correctly?

Tick **one**.

I bought several beach toys a bucket: a spade a ball and a kite.

I bought several beach toys a: bucket, a spade, a ball and a kite.

I bought several beach toys: a bucket, a spade, a ball and a kite.

I bought several: beach toys, a bucket, a spade, a ball and a kite.

1 mark



Tick one box in each row to show whether the sentence is a **question** or a **command**.

Sentence	Question	Command
Do your stretches before you exercise		
Do you prefer tennis or cricket		
Do the boys always go running in the morning		
Do take some water with you to football practice		

1 mark



How does the **conjunction** change the meaning of the second sentence?

1. We listened to the music after we ate our lunch.
2. We listened to the music while we ate our lunch.

1 mark



Ways to help at home with reading:

- Focus on developing an enjoyment and love of reading
- Enjoy stories together – reading stories to your child at KS1 and KS2 is equally as important as listening to your child read
- Talk about the story before, during and afterwards – discuss the plot, the characters, their feelings and actions, how it makes you feel, predict what will happen and encourage your child to have their own opinions
- Look up definitions of words together – you could use a dictionary, the Internet or an app on a phone or tablet
- All reading is valuable – it doesn't have to be solely library books. Reading can involve anything from fiction and non-fiction, poetry, newspapers, magazines, football programmes, TV guides



Ways to help at home with SPaG/writing:

- Good readers become good writers. Identify writing features when reading (e.g. vocabulary, sentence structure, punctuation)
- Practise and learn weekly spelling lists – make it as fun as possible
- Encourage opportunities for writing such as letters to family or friends, shopping lists, notes or reminders, stories or poems
- Write together – be a good role model for writing
- Encourage use of a dictionary to check spelling and a thesaurus to find synonyms to expand vocabulary
- Allow your child to use a computer for word processing, which will allow for editing and correcting of errors without lots of crossing out



Ways we prepare the pupils:

- Three formal practice papers (October/January/March)
- Learning boost sessions organised
- Renaissance reading program
- Spelling Shed
- Ten 4 Ten revision materials
- Weekly homework tasks linked to reading and spelling/SPaG
- Fun and varied revision lessons tailored to pupils' needs

Useful books and websites....



▶CGP, Letts, Collins, Rising Stars – all do study guides

BBC Education have produced a whole host of materials for KS2. Follow the KS2 link and then select either Maths or English. Each area usually has an information section for reading, plus an activity and then quiz which is marked online. Some aspects require a subscription -

<http://www.bbc.co.uk/education>

A site with both Maths and English based quizzes which are marked as you go along -

<http://www.educationquizzes.com/ks2/maths/>

A site with a range of information and questions – great for revision purposes!

http://www.icteachers.co.uk/children/children_sats.htm

