



Year 6 SATs information

What are the SATs?

- SATs are the Standardised Assessment Tests that are given to children at the end of Key Stage 2.
- The SATs take place over four days, starting on **Monday 12th May** ending on **Thursday 15th May**.
- The SATs papers consist of:
 - Grammar, punctuation and spelling (paper 1: GPS) – Monday 12th May
 - Grammar, punctuation and spelling (paper 2: Spelling) – Monday 12th May
 - Reading – Tuesday 13th May
 - Maths (paper 1: Arithmetic) – Wednesday 14th May
 - Maths (paper 2: Reasoning) – Wednesday 14th May
 - Maths (paper 3: Reasoning) – Thursday 15th May
- Writing is assessed using evidence collected throughout Year 6. There is no Year 6 SATs writing test.

When and how the SATs are completed

- The tests take place during normal school hours, under exam conditions.
- Children are not allowed to talk to each other from the moment the assessments are handed out until they are collected at the end of the test.
- After the tests are completed, the papers are sent away to be marked **externally**.
- The results are then sent to the school in July.
- Each test lasts no longer than 60 minutes:
 - Spelling, punctuation and grammar (paper 1: Grammar/ Punctuation) – 45 minutes
 - Spelling, punctuation and grammar (paper 2: Spelling) – 15 minutes
 - Reading – 60 minutes
 - Maths (paper 1: Arithmetic) – 30 minutes
 - Maths (paper 2: Reasoning) – 40 minutes
 - Maths (paper 3: Reasoning) – 40 minutes

- The week of the SATs
- The children will arrive each morning at 8.30am for breakfast together. This includes hot chocolate and toast or cereal.
- Tests will starts at 9.30am each day.
- The children will be in their familiar place for testing, in the hall, in the class room or in the room where they have practiced.

The results

Tests are marked externally. Once marked, the tests will be given the following scores:

- A raw score (total number of marks achieved for each paper);
- A scaled score (see below);
- A judgement on if the National Standard has been met.

After marking each test, the external marker will convert the raw score to a scaled score. Even though the tests are made to the same standard each year, the questions must be different. This means the difficulty of the tests may vary. Scaled scores ensures an accurate comparison of performance over time.

Scaled scores range from 80 to 120.

A scaled score of 100 or more shows the pupil is meeting the National Standard.

Grammar, Punctuation and Spelling: Monday 12th May

Grammar, punctuation and spelling consists of two papers.

- **Paper 1** focuses on all three elements (grammar, punctuation and spelling or GPS). The paper lasts for 45 minutes.
- **Paper 2** consists of a spelling test only. It should take approximately 15 minutes, although this is not a set amount of time (pupils should be given as much time as they need to complete the test).

Grammar, Punctuation and Spelling: Paper 1 (GPS)

The children will have been working hard with in class developing and securing their knowledge of the technical vocabulary needed in this test.

This test focuses on:

- Grammatical terms/ word classes;
- Functions of sentences;
- Combining words, phrases and clauses;
- Verb forms, tenses and consistency;
- Punctuation;
- Vocabulary;
- Standard English and formality.

This test requires a range of answer types but does not require longer formal answers.

Grammar, Punctuation and Spelling: Paper 1 (GPS)

Example questions:

1

Which sentence must end with a **question mark**?

Tick **one**.

Do you know how long it took for the trees to grow ☒

We have planted rose bushes around the trees ☐

How beautiful the flowers will be ☐

I will ask my teacher if I can show you ☐

1 mark

33

Add a **prefix** to the word charge in the sentence below to show that the waiter did not charge too much.

The waiter was careful not to over charge the customer.

1 mark

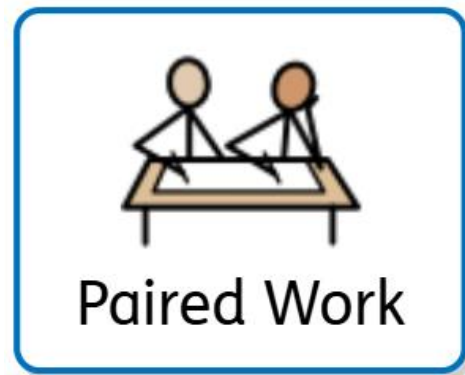
47

Rewrite the sentence below in the **passive**.
Remember to punctuate your answer correctly.

The noise of the traffic disturbed us.

e.g. We were disturbed by the noise of the traffic.

1 mark



Grammar, Punctuation and Spelling: Paper 2 (spelling)

Paper 2 is a shorter paper that focuses solely on spellings.

Example questions:

Spelling

1. Our dogs are _____ and full of energy.
2. The swans nested on an _____ in the lake.
3. We met a _____ writer.

2024 Spelling script

Spelling 1: The word is **young**.

Our dogs are **young** and full of energy.

The word is **young**.

Spelling 2: The word is **island**.

The swans nested on an **island** in the lake.

The word is **island**.

Spelling 3: The word is **famous**.

We met a **famous** writer.

The word is **famous**.

Reading: Tuesday 13th May

There is one reading test that lasts for 60 minutes.

The test is designed to measure if the children's comprehension of age-appropriate reading material meets the national standard. There are three different set texts for children to read. These could be any combination of non-fiction, fiction and/ or poetry.

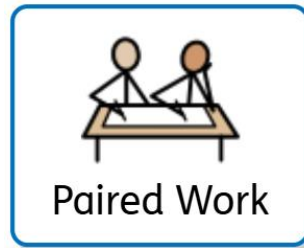
The test covers the following areas (known as Content Domains):

- Give/ explain the meaning of words in context;
- Retrieve and record information/ identify key details from fiction and non-fiction;
- Summarise main ideas from more than one paragraph;
- Make inferences from the text/ explain and justify inferences with evidence from the text;
- Predict what might happen from details stated and implied;
- Identify/ explain how information/ narrative content is related and contributes to meaning as a whole;
- Identify/ explain how meaning is enhanced through choice of words and phrases;
- Make comparisons within the text.

Reading

The reading SATs paper requires a range of answer styles.

Example questions:



2 Read the paragraph beginning: *They are not hedgehogs...*

Find and copy one word that means the same as 'met'.

1 mark

Madagascar is an island country in the Indian Ocean, off the coast of East Africa. It is well known for its range of weird and wonderful wildlife.

Imagine treading through the rainforest in Madagascar and noticing hurried movements in the plants below you. You creep forward to investigate. Suddenly, you see a group of animals unlike anything that you have seen before. Ten of them are sniffing along the ground with long, pointy snouts that look almost like bird beaks. The creatures are quite small – maybe the size of a pet hamster. Their bodies are round and covered with spines like a hedgehog. They are brightly coloured like a bumblebee with yellow streaks running down their backs and legs. On their heads, each of the animals has a crown of bright yellow spikes.

They are not hedgehogs, birds or bumblebees, even if they look like a confused hodgepodge of these animals. You have encountered a family of lowland streaked tenrecs. They are one of many species of tenrecs living in Madagascar.

2 Read the paragraph beginning: *They are not hedgehogs...*

Find and copy one word that means the same as 'met'.

Content domain: 2a – give or explain the meaning of words in context

Award 1 mark for:

■ *encountered.*

1m

Reading

Example questions:

9

Look at the section: **What issues are streaked tenrecs facing?**

What serious problems are streaked tenrecs facing?

Give **two** problems.

1. _____

2. _____

2 marks

9

Look at the section: **What issues are streaked tenrecs facing?**

What serious problems are streaked tenrecs facing?

Give **two** problems.

Content domain: 2d – make inferences from the text or explain and justify inferences with evidence from the text

Award 1 mark for reference to any of the following, up to a maximum of **2 marks**:

1. deforestation / the destruction of streaked tenrecs' habitat, e.g.
 - deforestation destroys their habitat
 - tenrecs live in the rainforest and it's being destroyed
 - the landscape is being destroyed.

Up to
2m

5

Draw **three** lines to match each paragraph to its main content.

Paragraph

The paragraph beginning:
Imagine treading through...

The paragraph beginning: *Both
highland and lowland streaked
tenrecs are...*

The paragraph beginning:
Tenrecs forage...

Content

diet

behaviour

appearance

1 mark

5

Draw **three** lines to match each paragraph to its main content.

Content domain: 2d – make inferences from the text or explain and justify inferences with evidence from the text

Award 1 mark for all correctly matched:

Paragraph

The paragraph beginning:
Imagine treading through...

The paragraph beginning: *Both
highland and lowland streaked
tenrecs are...*

The paragraph beginning:
Tenrecs forage...

Content

diet

behaviour

appearance

1m

Reading

Example questions: 3 mark question

26 Look at the whole text.

Write **three** pieces of evidence that show Ned was nervous about Louie's tightrope walking.

1. _____

2. _____

3. _____

3 marks

Qu.	Requirement	Mark
26	Look at the whole text. Write three pieces of evidence that show Ned was nervous about Louie's tightrope walking. Content domain: 2d – make inferences from the text or explain and justify inferences with evidence from the text Award 1 mark for reference to any of the following up to a maximum of 3 marks: 1. the quotation, <i>You ain't getting up on that?</i> 2. the quotation, <i>It isn't safe, Louie / You can't just get up on the rope and...</i>, e.g. • <i>he told her that it wasn't safe for her</i> • <i>he wasn't sure that it was safe for her to be on it.</i> 3. the quotation, <i>It's a proper skill / It takes years of practice</i>, e.g. • <i>he pointed out it takes years to master</i> • <i>he thought she needed more practice.</i> 4. the quotation, <i>Shouldn't I stay here? / Just in case you fall?</i>, e.g. • <i>he thought she would fall</i> • <i>he wanted to stay beneath the rope incase she falls</i> • <i>he offered to help if she fell</i> • <i>he was asking if he should stay there</i> • <i>he hesitated to move – thinking she would fall.</i> 5. the quotation, <i>Ned breathed in sharp.</i> Do not accept reference to the quotation, <i>You better come down.</i> Do not accept reference to the quotation, <i>He thought it was all one big prank.</i>	Up to 3m

Reading

Since the current testing formation for the SATs began in 2016, there has been a tendency for three types of questions to be the most popular.

In the 2024 Reading SATs paper,

- 10% of marks could be gained from answering questions involving giving and explaining the meaning of words in context;
- 38% of marks could be gained from answering questions involving retrieving and recording information or identifying key details from a text;
- 44% of marks could be gained from answering questions involving making inferences from a text and justifying inferences with text evidence.

When reading with your child at home try focusing on these types of questions.

Maths: Wednesday 14th May and Thursday 15th May

The maths assessments consist of three tests.

- Paper 1: Arithmetic (30 minutes) – Wednesday 14th May
- Paper 2: Reasoning (40 minutes) – Wednesday 14th May
- Paper 3: Reasoning (40 minutes) – Thursday 15th May

Paired Work

The maths arithmetic paper has a total of 40 marks and lasts for 30 minutes.

The test covers the four operations (addition, subtraction, multiplication, division, including order of operations requiring BODMAS), percentages of amounts and calculating with decimals and fractions.

Example questions:

19 $\frac{2}{3} + \frac{4}{5} =$



20	6 3 1 2		
	$\begin{array}{r} 6312 \\ \times \quad 14 \\ \hline \end{array}$		
Show your method			2 marks

Qu.	Requirement	Mark	Additional guidance
19	$1\frac{7}{15}$ OR $\frac{22}{15}$	1m	Accept equivalent mixed numbers, fractions or the exact decimal equivalent, i.e. 1.46 (accept any unambiguous indication of the recurring digits). Do not accept rounded or truncated decimals.
20	Award TWO marks for the correct answer of 88,368 If the answer is incorrect, award ONE mark for the formal method of long multiplication with no more than ONE arithmetic error, e.g. $\begin{array}{r} * \quad 6312 \\ \times \quad 14 \\ \hline 25248 \\ 63120 \\ \hline 88358 \text{ (error)} \end{array}$ OR $\begin{array}{r} * \quad 6312 \\ \times \quad 14 \\ \hline 24248 \text{ (error)} \\ 63120 \\ \hline 87368 \end{array}$	Up to 2m	Working must be carried through to reach a final answer for the award of ONE mark. Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying by tens. $\begin{array}{r} 6312 \\ \times \quad 14 \\ \hline 25248 \\ 6312 \text{ (place value error)} \\ \hline 31560 \end{array}$

Maths Papers 2 and 3 (Reasoning)

Paper 2 will take place on Wednesday 14th May and paper 3 will take place on Thursday 15th May. These tests have a total of 35 marks each and lasts for 40 minutes each.

These papers require children to demonstrate their mathematical knowledge and skills, as well as their ability to solve problems and their mathematical reasoning. They cover a wide range of mathematical topics from key stage 2 including,

- Number and place value (including Roman numerals);
- The four operations;
- Geometry (properties of shape, position and direction);
- Statistics;
- Measurement (length, perimeter, mass, volume, time, money);
- Algebra;
- Ratio and proportion;
- Fractions, decimals and percentages.

Maths Papers 2 (Reasoning)

Example questions:

5

Write the three missing digits to make this multiplication correct.

$$\begin{array}{r} \boxed{2} \ 5 \ \boxed{4} \\ \times \qquad \qquad 3 \\ \hline 7 \ \boxed{6} \ 2 \end{array}$$

1 mark

8

Write a **whole number** in each box to make the statements correct.

One has been done for you.

rounded to the nearest **ten** is 20

3,500 to

rounded to the nearest **thousand** is 4,000

815,000 to

rounded to the nearest **ten thousand** is 820,000

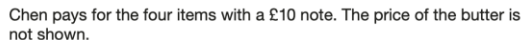
1 mark



Paired Work

Example questions:

Chen buys these four items.



She receives £3.85 change.

What is the price of the **butter**?

2 marks

Award **TWO** marks for the correct answer of (£)2.50

If the answer is incorrect, award **ONE** mark for evidence of an appropriate complete method which contains no more than **ONE** arithmetic error, e.g.

- $£1.50 + £0.70 + £1.45 = £3.65$
 $£10.00 - £3.65 = £6.15$ (error)
 $£6.15 - £3.85 = £2.30$

OR

- $£1.50 + £0.70 + £1.45 + £3.85 = £7.50$
 $£10.00 - £7.50 = £3.50$ (error)

If no final answer is given, all calculations within an appropriate method must be evaluated correctly for the award of **ONE** mark, e.g.

- $\pounds 1.50 + \pounds 0.70 + \pounds 1.45 = \pounds 3.65$
 $\pounds 10.00 - \pounds 3.65 = \pounds 6.35$
 $\pounds 6.35 - \pounds 3.85$

Up to
2m

Accept for **ONE** mark an answer of
£250, £250p, £2,50 or £2.5 as evidence of
an appropriate method.

Refer to section 6.1 on pages 14 and 15 for additional guidance on marking answers involving money.

Misreads of £3.85 as £3.65 **OR** miscopies of £3.65 as £3.85 are not allowed.

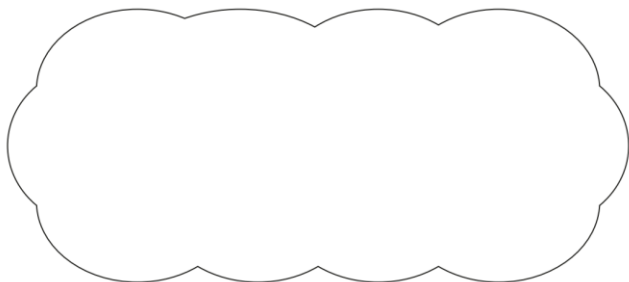
Maths Papers 3 (Reasoning)

Example questions:

24

$\frac{1}{2} \times \frac{5}{6}$ is greater than the value of $\frac{1}{3} \times \frac{7}{8}$

Explain how you know.



1 mark

24

Award **ONE** mark for an explanation that compares the calculations or relative size of the fractions to indicate relative size of the products, e.g.

- $\frac{1}{2} \times \frac{5}{6} = \frac{5}{12}$

$$\frac{5}{12} = \frac{10}{24}$$

$$\frac{1}{3} \times \frac{7}{8} = \frac{7}{24}$$

OR

- $\frac{10}{24} > \frac{7}{24}$

1m

Do not accept responses that restate the question.

Do not accept vague, incomplete or incorrect explanations, e.g.

- the result is bigger because it's a half
- shows the products without supporting calculations or further proof, e.g.

$$\frac{5}{12} \text{ is bigger than } \frac{7}{24}$$

Do not accept explanations which include incorrect mathematics or incorrect information that is relevant to the explanation.

Supporting your child in preparing for the SATs

Firstly, a positive attitude goes a long way. Give them as much encouragement and support as you can (but we don't need to tell you that)!

Tips:

- Don't use past papers as they are used in school to prepare the children.
- Encourage your child to talk to me or another trusted adult about their anxieties. Don't forget that a small amount of anxiety is normal and not harmful.
- Give your child a quiet, distraction free space to complete homework or study.
- Give your child time to go outside and reduce screen time.
- Ensure your child is eating and drinking well and getting a good amount of sleep.
- Plan something nice and fun for the weekends before and after SATs. This will help them to relax before the SATs and give them something to look forward to after.

Supporting your child in preparing for the SATs

Further tips:

- Create a revision timetable that works for you and your child. For some families, 10 to 20 minute activities over a few days works best. For others, a longer study session one day a week might be better.
- Keep revision light. Going over key skills (times tables, real world mental maths as you are shopping or cooking) is a good way to keep revision light.
- As we said before, avoid using past papers. There are plenty of SATs practice materials for parents available.
- If you're looking to support your child further with maths at home, there are lots of good websites with free Year 6 revision resources. Start with
thirdspacelearning.com/blog/category/for-parents/
<https://corbettmathsprimary.com/>
<https://whiteroseeducation.com/parent-pupil-resources/maths/home-learning?year=year-6-new>

Third Space Learning



Maths Tutoring for Schools ▾ How it Works ▾ Resources ▾ Pricing ▾ Blog

Request a quote

Log in

GB UK

THIRD SPACE
BLOG

Interventions ▾ SLT and Maths Leads ▾ Primary Maths ▾ Secondary Maths ▾ More Maths Support ▾ Third Space Updates 🔍

Home Learning

Find out about the best ways to support students' learning at home. How to help with homework and reinforce classroom learning at home.



Home Learning Ideas, Activities and Guides
For Primary and Secondary School Teachers

5 min read

POPULAR ★

Must reads



The Top 10 Free Maths Homework Help
Sites and Apps For Primary School Children
And Their Parents! (UK)

5 min read



How You Can Create Amazing Before &
After School Routines For Your Child

4 min read



Home Learning Ideas, Activities and Guides
For Primary and Secondary School Teachers

5 min read



Teaching Kids About Money: 11 Nifty Tips
For Unearthing Your Child's Inner Billionaire

4 min read





Videos and Worksheets

Addition [Video 1](#) [Questions](#) [Answers](#)

Angles: Facts [Video 2](#) [Questions](#) [Answers](#)

Angles: Measuring/Drawing [Video 3](#) [Questions](#) [Answers](#)

Angles in Polygons [Video 4](#) [Questions](#) [Answers](#)

Angles in Quadrilaterals [Video 5](#) [Questions](#) [Answers](#)

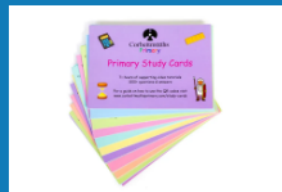
Angles: Triangles [Video 6](#) [Questions](#) [Answers](#)

Angles: Types [Video 7](#) [Questions](#) [Answers](#)

Area: Parallelogram [Video 8](#) [Questions](#) [Answers](#)

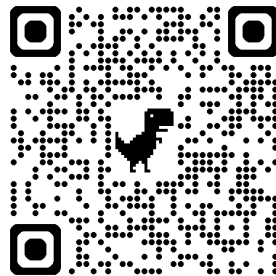
Area of Rectangles [Video 9](#) [Questions](#) [Answers](#)

Primary Study Cards



Categories

- [5-a-day Answers](#)
- [Blog](#)



Home learning

All of our home learning lessons for early years through to Year 11 are available now. Every lesson comes with a short video showing you clearly and simply how to help your child complete the activity successfully.

SCHEME OF LEARNING 



Year

Maths Year 6 (v3 schemes) 

Term

All 

FILTER

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

in term

Number

Place value

Number

Addition, subtraction, multiplication and division

Number

Fractions A

Number

Fractions B

ment
ing units



Multiplication and division vocabulary

Term	Definition	Example
factor	a number that divides exactly into another number	factors of 12 = 1, 2, 3, 4, 6, 12
common factor	factors of two numbers that are the same	common factors of 8 and 12 = 1, 2, 4
prime number	a number with only 2 factors: 1 and itself	2, 3, 5, 7, 11, 13, 17, 19...
composite number	a number with more than two factors	12 (it has 6 factors)
prime factor	a factor that is prime	prime factors of 12 = 2, 3
multiple	a number in another number's times table	multiples of 9 = 9, 18, 27, 36...
common multiple	multiples of two numbers that are the same	common multiples of 4 and 6 = 12, 24...
square numbers	the result when a number has been multiplied by itself	25 ($5^2 = 5 \times 5$) 49 ($7^2 = 7 \times 7$)
cube numbers	the result when a number has been multiplied by itself 3 times	8 ($2^3 = 2 \times 2 \times 2$) 27 ($3^3 = 3 \times 3 \times 3$)

Fractions, decimals & percentages

$\frac{1}{100}$	0.01	1%	$\div 100$
$\frac{1}{20}$	0.05	5%	$\div 20$
$\frac{1}{10}$	0.1	10%	$\div 10$
$\frac{1}{5}$	0.2	20%	$\div 5$
$\frac{1}{4}$	0.25	25%	$\div 4$
$\frac{1}{2}$	0.5	50%	$\div 2$
$\frac{3}{4}$	0.75	75%	$\div 4, \times 3$
1	1	100%	$\div 1$

Angles

full turn	360°
half turn	180°
right angle	90°
acute angle	< 90°
obtuse angle	> 90°
reflex angle	> 180°
angles on a straight line	180°
angles inside a triangle	180°
angles inside a quadrilateral	360°

Shape vocabulary

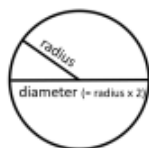
perimeter = measure around the edge (**circumference** = perimeter of a circle)

horizontal line

vertical line

parallel lines

perpendicular lines
(at right angles)



Roman numerals

1	I	100	C
5	V	500	D
10	X	1000	M
50	L		

Y6 MATHS

KNOWLEDGE

ORGANISER

by @_MissieBee

2D shapes

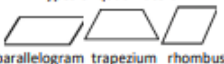
Name	No. of sides
quadrilateral	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10

polygon = shape with straight sides
regular = all sides/angles the same
irregular = sides/angles not same

Types of triangle



Types of quadrilateral



AREA

is the amount of space inside a 2D shape usually measured in cm^2 or m^2 .

Area of a triangle

= (base x height) $\div 2$

Area of a parallelogram

= base x height

(Height = perpendicular height)

Measurement conversions

Month	Days
January	31
February	28 (29 in leap year)
March	31
April	30
May	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31
1 year = 365 days (= 52 weeks)	
Leap year = 366 days	

1 centimetre	10mm
1 metre	100cm
1 kilometre	1,000 m
1 mile	1.6 km
1 kilometre	0.625 ($\frac{5}{8}$) mile
1 kilogram	1,000 grams
1 litre	1,000 millilitres

Co-ordinates

Read co-ordinates along the x axis (horizontal) first, then the y axis (vertical). E.g. (3,-4) = go right 3, down 4.

3D shapes



square-based pyramid



triangular-based pyramid



triangular prism

faces (the flat sides)	5	4	5
edges	8	6	9
vertices (the points where the edges meet)	5	4	6

Volume = the amount of space a 3D shape takes up, usually measured in cm^3 or m^3



Volume of a cuboid =
length x width x height

The mean

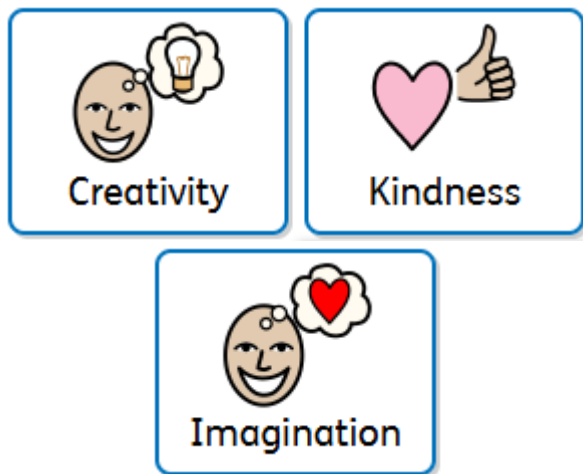
The mean is a type of average. To find the mean, add up all the numbers and divide by how many there are. E.g. the mean of 4, 5, 3, 4 is 4.

(Because $4 + 5 + 3 + 4 = 16$, and $16 \div 4 = 4$)

Things to remember about SATs

SATs focus on what children know about Maths and English.

They will not reflect how talented they are at science, geography, art, PE..., and they certainly won't highlight all their amazing personal characteristics.



Advice for Year 6 children

- Listen to your teacher.
- The adults you work with all want you to do your best.
- Get plenty of sleep and eat well, this will help your brain.
- Read all the questions carefully. This can help you to avoid silly mistakes.
- Don't panic. There may be questions you think you can't answer. Take a deep breath. Read it again. You can always move on and go back to it later. It's often better to write something rather than nothing.
- Remember that the Year 6 SATs last for 4 days out of your whole life!