SATs: Year 6 Parents' Reasoning Practice and Revision Activity Booklet



Information and guidance for parents

Year 6 SATs Reasoning Quiz 1: Number and Place Value

- Reading and Writing Numbers
- 10, 100, 1000 More or Less Than a Number
- Order and Compare Numbers
- Place Value
- Roman Numerals
- Rounding
- Negative Numbers

Year 6 SATs Reasoning Quiz 2: Addition, Subtraction, Multiplication and Division

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- Word Questions

Year 6 SATs Reasoning Quiz 3: Fractions, Decimals, Percentages, Ratio and Proportion • Equivalent Fractions

- Ordering Fractions
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Year 6 SATs Reasoning Quiz 4: Algebra and Measurement

- Algebra
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Information and Guidance for Parents

Welcome to the Twinkl SATs Revision and Practice Guide for Reasoning. This pack is intended to help you understand the KS2 Reasoning Test and to practise key reasoning questions similar to those that may come up in the tests.

The KS2 Reasoning Test

Children are asked to answer about 25 questions in forty minutes for each of the KS2 Reasoning Tests. The questions cover areas of the mathematics national curriculum (2014) that would be regarded as reasoning. The curriculum can be found at:

www.gov.uk/government/publications/national-curriculum-in-england-mathematics-programmes-of-study

The national curriculum is expected to be taught over the four years of Key Stage 2. Therefore the questions in the test are based on most of the objectives from the KS2 national curriculum (and not just what they learn in Year 6).

The questions are written in a variety of styles.

How to use this pack

This reasoning pack has broken down many of the statutory requirements of the KS2 national curriculum covered in the Reasoning Tests into five quizzes, each one consisting of a number of questions. Each quiz contains the answers and any relevant explanation of which national curriculum reasoning requirement is being tested.

- Use each quiz with your child during the weeks building up to the KS2 SATs tests.
- Together, mark the quiz using the answer sheet and identify any questions on the quiz your child struggled with. This may be an area they need further support with to learn that individual reasoning method or concept.
- If there are any reasoning questions your child struggles with, use the Twinkl website to find resources to support your child with that reasoning method or concept.





Guidance

Reading and Writing Numbers up to 10 000 000

Practise reading and writing numbers in numerals/figures and words.



7 923 674 is seven million, nine hundred and twenty-three thousand, six hundred and seventy-four.

Here are some more activities that may be useful:

http://www.twinkl.co.uk/resource/t2-m-726-year-6-numbers-to-1000000-lesson-5-teaching-pack

10, 100 and 1000 More of Less Than a Number

Practise counting in steps of 10, 100 and 1000 from any number. Look at the digits that change and how the number crosses the next hundred, thousand or ten thousand.

367, 377, 387, 397, 407

6872, 6972, 7072, 7172

43 500, 42 500, 41 500, 40 500, 39 500

When confident, add or subtract multiples of 10, 100, 1000 such as 30, 400 or 2000.

Order and Compare Numbers

Order and compare numbers by looking at the place value. Questions will either include larger numbers or decimals. 34 000 is larger than 7 000 because the first number has ten thousands, which the second number does not, even though the first digit is larger in the second number. When practising, ask children to explain their reasoning.

This teaching pack gives more practice:

http://www.twinkl.co.uk/resource/t2-m-725-year-6-numbers-to-1000000-lesson-4-teaching-pack

Place Value

Make sure children can recognise the different digits in any number.



These activity sheets may help:

http://www.twinkl.co.uk/resource/t2-m-1203-place-value-to-10-000-000-worksheet





Roman Numerals

Using the following, children can practise reading and writing numbers in Roman Numerals:

Roman Numeral	М	D	С	L	Х	V	Ι
Represents	1000	500	100	50	10	5	1

The Roman numerals are combined to make numbers.

Usually, up to three of each letter is used, so III is 3, XXX is 30, CCC is 300.

Combined with V, L and D gives 8, 80 and 800: VIII, LXXX, DCCC.

The numbers one before 5 and 10, ten before 50 and 100, 100 before 500 and 1000 are expressed as one, ten or hundred before so: 4 is IV, 9 is IX, 40 is XL, 90 is XC, 400 is CD, 900 is CM.

This activity sheet provides some more practice

http://www.twinkl.co.uk/resource/t2-m-400-roman-numerals-worksheet

Rounding

Rounding a number to the nearest 10 means finding the nearest ten to which the number is closer. A number ending in 1, 2, 3, or 4 is rounded down. A number ending in 6, 7, 8 or 9 is rounded up. By convention, a number ending in 5 is also rounded up.

The same rule is applied to rounding to 100. Numbers ending in 1 to 49 are rounded down, 50 to 99 are rounded down. To the nearest 1000, 1 to 499 is rounded down; 500 to 999 is rounded up.

Here is an activity sheet that extends rounding to other numbers:

http://www.twinkl.co.uk/resource/t2-m-1205-round-any-whole-number-to-a-required-degree-of-accuracyworksheet

Negative Numbers

Practise counting backwards and forwards through zero and then finding intervals between positive and negative numbers.

Draw a number line if it helps.

-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	()	1 2	2 3	3 .	4	5 (5 7	7 8	3 9	7 1	0

Here are some more negative number questions based around temperature.

http://www.twinkl.co.uk/resource/t2-m-1797-negative-numbers-and-temperature-activity-sheet



Year 6 Reasoning Quiz 1

Reading and Writing Numbers up to 10 000 000 10, 100 and 1000 More or Less Than a Number
1. Write the number that is 100 less than one million.
2. Write the number in words that is 30 less than 300 000.
3. 678 is 200 less than what number?
4. Write in words the number that is half of one million and ten.
Order and Compare Numbers
5. Put these cars in order of price, starting with the lowest price. One has been done for you.
A B C D E Image: Constrained by the state of the st
£31,750 £30,570 £3,900 £37,150 £31,900 B



6. Order the following numbers from smallest to largest.

11.1	1.01	1.1	10.1	10.11
			• • • • • • • •	
Place Value				
7 In the numb	<i>o</i> r 178 390 82			
7. In the numb	61 170 370.02			
a) Which dig	jit is in the ten th	ousands place?		
b) Which dig	jit is in the hundr	edths place?		
8. In the numb	er 217 361.05			
a) Which dia	it is in the hundr	eds place?		
b) Which dig	jit is in the tenths	s place?		
Roman Numera	lls			
9. Here is a nur	nber written in R	oman numerals.	DCCIX	
Write the nu	mber in figures.			
10. Write the ye	ar 2017 in Roman	ı numerals.		



Rounding

11. Round 263 874
a) to the nearest 10 000
b) to the nearest 1 000
c) to the nearest 100
Negative Numbers
12. What number is 12 more than -7?
13. Here is part of a number line.
Write the missing numbers in the boxes.
-8 -8
-5
-5
-5 14. The temperate outside is -4°C and inside is 15°C. What is the difference in
-5 14. The temperate outside is -4°C and inside is 15°C. What is the difference in temperature between the outside and inside?
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Reasoning Quiz 1

		1		
1	999 900		8	α) 3
				b) 0
2	two hundred and ninety-nine		9	709
	thousand, nine hundred and seventy			
3	878		10	MMXVII
4	five hundred thousand and five		11	a) 260 000
				b) 264 000
				c) 263 900
_				-
5	CBAED		12	5
6	1.01		12	-13 and 3
U	1.1		13	15 unu 5
	10.1			
	10.11 11.1			
7	a) 7		14	19°C
•	h) 2		-	
	NJ 2			
		1	1	





Guidance

Missing Number Questions

Missing number questions assess understanding of formal calculation methods.

In this simple example:



A number added to 4 gives an answer that ends in 3, so $_{+}$ + 4 = 13, so the missing number is 9.

5 added to a number add the regrouped 1 (ten) gives the answer 8, so the missing number is 2.



Here are some more missing number questions.

http://www.twinkl.co.uk/resource/t2-m-1498-ks2-reasoning-test-practice-missing-number-calculationsbumper-resource-pack

Word Questions

There are two parts to solving word questions. Firstly to understand the question and decide the calculations needed, and secondly to complete the required calculations.

Sometimes it can help to visualize the question.

For example Q7:



There are 80 pencils. From these 80 pencils, 4 lots of 6 pencils are taken.

The calculation could be written $80 - 6 \times 4$, solved as 80 - 24 = 56.

Children don't need to write the calculation in the above form, but they need to calculate that there are 24 pencils given to the 4 children and the answer is 80 - 24 = 56.



There are also questions like Q9, where the answer can be found by reversing the calculations to find the starting number.

The question starts with an unknown number:

The number is halved and 15 is added. The result is divided by 3, giving an answer of 19.

Reversing gives: 19 × 3 = 57, 57 - 15 = 42, 42 × 2 = 84

Full marks are given for the correct answer, but sometimes a mark will be given for a correct method where a mistake is made in the calculating. It is therefore important for children to show how they have calculated an answer.

More word problems are available in this resource:

http://www.twinkl.co.uk/resource/t2-m-1660-ks2-reasoning-test-practice-large-number-multi-step-wordproblem-resource-pack



Date:

Year 6 Reasoning Quiz 2

Missing Number Questions







Word Questions

7. There are 80 pencils in a pack. There are 4 children who are given 6 pencils each from the pack. How many pencils are left in the pack?

Show your method.

8. Five children go to the cinema. Large popcorn costs £3.75 Drink costs £2.40 They share the cost equally of buying 2 popcorns and 3 drinks. How much does each child pay?

Show your method.







 Julia chooses a number between 50 and 100. She halves the number and adds 15. She divides this result by 3. Her answer is 19. What was the number she started with?

Show your method.



10. Mr Lucas is making some jam to sell at a school fair. Raspberries cost £7.25 per kg
Sugar costs 85p per kg
6 glass jars cost £1.80
He used 15kg of raspberries and 8kg of sugar to make 30 jars of jam. Calculate the total cost to make 30 jars of jam.

Show your method.





END OF TEST

Reasoning Quiz 2







Guidance

More fractions and decimals questions can be found in this resource:

http://www.twinkl.co.uk/resource/t2-m-1522-ks2-reasoning-test-practice-fractions-and-decimalsresource-pack

Equivalent Fractions

The basis of equivalent fractions is that all fractions can be expressed in different ways.



This diagram shows that $\frac{1}{2}$ is equivalent to $\frac{2}{4}$. Equivalents fractions can also be found by multiplying or dividing the numerator and denominator by the same number.

 $\frac{2}{3} = \frac{8}{12}$: multiply numerator and denominator by 4.

Ordering Fractions

There are 2 main ways to order fractions with different denominators. One is to find the equivalent fractions with the same denominator. The other is to convert the fractions into decimals.

The fractions in Q1 are $\frac{2}{3}$, $\frac{5}{6}$, $\frac{5}{9}$, $\frac{7}{12}$. The denominators are all multiples of 3. In this case question, only 3 fractions are needed, so converting 3 of the fractions to twelfths is a good option.

 $\frac{2}{3} = \frac{8}{12}$, $\frac{5}{6} = \frac{10}{12}$, $\frac{7}{12}$. Theses can be ordered as follows: $\frac{7}{12} < \frac{2}{3} < \frac{5}{6}$.

Converting to decimals can be done using division, or can rely upon knowledge of common fractions and decimal equivalents. $\frac{2}{3} = 0.667$, $\frac{5}{4} = 0.833$, $\frac{5}{9} = 0.556$, giving $\frac{5}{9} < \frac{2}{3} < \frac{5}{4}$.

Fraction Problems

Fraction problems can take many forms and children need to be confident in using fractions in many different contexts. Many rely upon finding fractions of amounts.

Visual Representations

Younger children will be asked to shade the fraction of a shape where the number of equal parts of the shape is equal to the denominator of the fraction. However at KS2, the number of parts of the shape will be a multiple of the denominator.

Shading $\frac{1}{3}$ of a shape of 12 equal parts can be done by shading every third part,

or by calculating that $\frac{1}{3}$ of 12 = 4, so 4 parts need to be shaded.





Fraction Word Questions

With fraction word questions, as with calculation word questions, there are 2 main parts. Firstly to understand which calculations are needed, and secondly to perform the calculations accurately.

Q6 above states: At the beginning of the day, Hasim counted his money. He gave his brother $\frac{1}{3}$ of his money. He spent £12 on a present for his sister. He then counted what he had left, and it was half what he had at the beginning of the day. How much did he give his brother?

One way to visually represent this is by using a bar to represent all the money and divide the bar into the different amounts and fractions.

$\frac{1}{3}$ to the brother	£12 gift	$\frac{1}{2}$ is left over
$\frac{2}{6}$	1 6	3 6

Using equivalent fractions the £12 gift is $\frac{1}{6}$ of the money. Therefore the money given to the brother is twice this, £24.

Decimal Number Problems

Decimal problems can often involve calculations where it is important to recognise the place value of the decimal numbers.

With Q7: Circle two numbers that add together to equal 0.75.

0.03 0.7 0.72 0.07

Children need to recognise that when adding 0.03 and 0.72, the 3 and 2 are both hundredths, so the total is 0.75.

Rounding decimals uses the same principals as rounding whole numbers, where the number is rounded to the nearest whole, number, tenth or hundredth, and a 5 is always rounded up. 1.5 rounded to the nearest whole number is 2, because the 5 tenths is rounded up. 1.367 rounded to the nearest tenth is 1.4, because the 6 hundredths is rounded up. In this case, the 7 thousandths is not used in rounding to tenths.

Ratio

Ratio questions can be similarly expressed using a bar.

In Q11 there are 24 books, and 4 more are added.



156cm

This bar shows how the 24 books can be divided into 6 sets of 4 books. Therefore, 4 books will measure 156 \div 6 = 26cm. The new width will be 156 \pm 26 = 182cm.





Year 6 Reasoning Quiz 3

Equivalent Fractions

1. Write the two missing values to make these equivalent fractions correct.



2. Write 2 equivalent fractions that can be represented by this drawing:

3. Here are four fraction cards.



Use any **three** of the cards to make this correct.





4. Order the following fractions from smallest to largest:



Fraction Problems



6. At the beginning of the day, Hasim counted his money. He gave his brother 1/3 of his money. He spent £12 on a present for his sister. He then counted what he had left, and it was half what he had at the beginning of the day. How much did he give his brother? Show your method.

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							Ł			





Decimal Number Problems

- 7. Circle two numbers that add together to equal 0.75.
 - 0.03 0.7 0.72 0.07
- 8. Continue the sequence to put the correct numbers in the unshaded boxes.

0.04	0.05	0.06	0.07	0.08
0.12	0.13	0.14	0.15	0.16

9. Complete the triangles so that the number in the centre is the sum of the

numbers on the outside.







10. Round the following decimal numbers:

	Rounded to nearest	
1.5	whole number	
2.928	tenths	
0.185	hundredth	

Ratio

11. 24 identical books are on a shelf



156cm

Another four of the same book is added to the shelf. What is the width of the books now?

Show your method.



12. Here are the ingredients needed for raspberry ice cream:

4 egg yolks 100g sugar 300ml cream 300ml milk 150g raspberries

Greg wants to use a box of 6 eggs. What mass of raspberries should he use?

Show your method.



END OF TEST





Reasoning Quiz 3







Guidance

Algebra

To calculate 3n - 15 when n = 24, place 24 in the place of n.

3n = 3 × n = 3 × 24 = 72

3n - 15 = 72 - 15 = 57

To calculate the value of t in 28 - 3t = 10, there are various methods.

One is to calculate the value of 3t by calculating what is subtracted from 28 to make 10. 3t = 18.

If 3t = 18, calculate what is multiplied by 3 to give 18. So t = 6.

Time

Children are expected to read analogue and digital clocks and watches in 12 and 24 hour time, up to 1 minute intervals. Analogue clocks use both numbers and Roman numerals.

Children are also expected to convert measurements of time, such as minutes into hours and minutes.

Practise using clocks at home or using the following resource:

http://www.twinkl.co.uk/resource/t2-m-2505-year-4-read-write-and-compare-the-time-differentiatedactivity-sheets

Money

Children need to be able to combine coins to make amounts of money and calculate totals and change.

There are some multi-step money problems in this resource:

http://www.twinkl.co.uk/resource/t2-m-1638-key-stage-2-reasoning-test-practice-multi-step-moneyproblems

Area and Perimeter

Children need to know that the area of rectangles can be calculated by multiplying the length and width.



This is then applied to finding the area of triangles and parallelograms.

The area of a triangle is the length of the base \times the height \div 2





The area of a parallelogram is the length of the base × the height



Children will also need to estimate the area of irregular shapes.



Children should count the whole squares and then those more than half shaded.

To calculate the perimeter of rectilinear shapes (rectilinear shapes have all angles as right angles), children need to calculate the lengths of all the sides, or the combined length of all sides.



19m

With this example the length of the 3 horizontal sides at the top will be 19m. There is one unknown vertical side. Because 7m + 8m is 3m longer than the 12m on the left hand side, the unknown vertical side is 3m. These measurements can be used to calculate the whole perimeter as 68m.





Measurement

Children are expected to calculate and convert grams and kilograms as part of a question. In Q13, the 1kg of apples has to be divided by 8. 1kg = 1000g, so divide 1000g by 8 to give 125g.

Children are expected to use scales on jugs and other capacity measuring containers. In Q14, the children need to work out that each segment of the scale is worth 5ml.

Children will need to measure to the nearest millimeter with a ruler. Remember to start at 0.

As with mass, some questions may involve converting from ml to litres and mm to cm to metres to km.



Date:

Year 6 Reasoning Quiz 4

Algebra





Time

5. Draw the hands on this clock to show the time on this digital clock.



6. A film is 132 minutes long. It starts at 14:50. What time will it finish?

7. This clock is 17 minutes slow. What is the correct time?









Money

8. 5 apples cost £1.45.

3 apples and 2 bananas cost £1.13.

What is the cost of one banana? Show your method.



9. A box of 6 pencils costs £1.20.

A pack of 4 rubbers costs 48p.

How much more does one pencil cost than one rubber? Show your method.







10. Robert buys 4 packets of crisps.



He pays with a £5 note. This is his change.



What is the cost of one packet of crisps? Show your method.

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Area and Perimeter

11. On the grid, draw a triangle with the same area as this rectangle.







12. Calculate the perimeter of this rectilinear shape.



Measurement

13. A pack of 8 apples weighs 1kg. What is the mean mass of each apple?







14. A jug contains 200ml of milk. Janek pours 135ml of milk into a bowl.

ml

200 180 -160 -140 -120 -100 -80 -60 -40 -20 – 15. Measure the diagonal of this rectangle. **END OF TEST**

Mark on the jug how much milk will be left in the jug.





Reasoning Quiz 4



9	8p
10	69p
11	any triangle with an area of 24cm².
12	68m
13	125g
14	65ml, marked quarter of way between 60 and 80
15	10.8cm





Guidance

Symmetry

Children are expected to be able to recognise symmetry and draw symmetrical shapes, usually by being given a shape to complete across a mirror line. Sometime, children find tracing paper helpful. However children should also be encouraged to hold symmetrical drawings up in front of them with the mirror line vertical in order to see the symmetry. Sometimes this will mean rotating the drawing, as with Q1 above.

Properties of Shape

Children are expected to recognise and name 2D and 3D shapes, describe their properties and sort shapes according to these properties.

There is no definitive list of shapes, although it can reasonably be expected that children need to know the following:

2D Shapes

Number of sides	Shape type*	Shape	name	Main feature
3		equilateral triangle		all sides and angles equal
	triangle	isosceles triangle		two sides and angles equal
	thangte	scalene triangle		no sides and angles equal
		right-angled triangle		one angle is a right angle
4		square		all sides equal and all angles right angles
	quadrilateral	rectangle		opposite sides equal and all angles right angles
		rhombus		all sides equal







		parallelogram	opposite sides equal
	quadrilateral	trapezium	one pair of opposite sides parallel
		kite	two pairs of adjacent sides equal
5		pentagon	five sides
6		hexagon	six sides
7	regular and	heptagon	seven sides
8	polygons (regular polygons have	octagon	eight sides
9	equal sides and angles)	nonagon	nine sides
10		decagon	ten sides
12		dodecagon	twelve sides
1		circle	all points of the line are the same distance from the centre
	one curved side	ellipse	

*The shape type is a helpful category. In fact all 2D shapes are polygons.



3D shapes

Shapes	2D image	Brief description
sphere		The shape of a ball. Has one curved surface.
cube		6 square faces, similar to a dice.
cuboid		6 rectangular faces.
cone		One flat circular face and a curved surface ending in a point, similar to an ice cream cone.
cylinder		2 flat circular faces and one curved surface, similar to a tin can.
tetrahedron		4 triangular faces, similar to pyramid with a triangular base.
square-based pyramid		Square base with 4 triangular faces, similar to the Egyptian pyramids.
prisms		The same shape at either end, joined by a number of rectangles equal to the number of sides of the end shapes. The shape at each end defines the name of the shape, e.g. hexagonal prism.

Shapes are often sorted using Carroll Diagrams or Venn Diagrams. Examples of these are found in this resource:

http://www.twinkl.co.uk/resource/t2-m-225-shapes-carroll-and-venn-diagram-worksheets-higher-ability

Children will also be expected to accurately draw some of these shapes according to certain criteria. They also need to know the language of perpendicular, parallel, horizontal and vertical.



Coordinates

Children need to use coordinates in all 4 quadrants, which means using negative numbers as well as positive numbers. The quadrants are the 4 areas divided up by the axes, the lines, in Q4. Most questions ask children to calculate the coordinates of a given shape or shapes using some given coordinates. Often the shape has been translated (moved and kept the same size) or reflected. The numbers are not usually large.

In Q4, the triangle is moved left 6 and down 8. This translation is repeated using the same measurement. Calculating the coordinates means using the 6 to the left and 8 down for all the coordinates.

More questions can be found in this resource: http://www.twinkl.co.uk/resource/t2-m-1659-ks2-reasoning-test-practice-coordinates-resource-pack

Angles

Children are expected to estimate, measure, draw and calculate angles. Estimation is important in giving children an understanding of the approximate size of angles. It is very helpful to estimate angles to the nearest 10° - 20°.

Children will measure and draw using a protractor or angle measurer. The most important aspects of doing this is getting the centre of the protractor or angle measurer on the angle and measuring the correct angle as most protractors and angle measurer's have two set of numbers, one for each direction.

Calculating angles relies upon knowing that there are 180° in a straight line and a triangle, and 360° in a circle.



More calculating angles questions can be found in this resource:

http://www.twinkl.co.uk/resource/t2-m-1665-reasoning-test-practice-calculating-angles-resource-pack





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Pie Charts

Pie charts are circles divided up into pieces of pie, which represent different values of data.

In the example question, there are 2 pies. One represents twice as many children as the other.



 $\frac{1}{6}$ or 25% of the pie chart representing 100 girls represents 25 girls who like plain chocolate.

 $\frac{1}{2}$ or 50% of the pie chart representing 50 boys represents 25 boys who like milk chocolate.

Children need to calculate and compare these pie charts. It can be helpful to estimate the numbers of boys and girls who liked the other chocolates best. Do the totals add up to 100 girls and 50 boys?

There are practise pie chart questions here:

http://www.twinkl.co.uk/resource/t2-m-1656-ks2-reasoning-test-practice-pie-charts-resource-pack

Bar Charts

Bar charts for Year 6 may take a different form to the traditional bar chart used by younger children, which has one bar for each set of data. The bar chart in Q9 is one horizontal bar divided into different sections to represent the data. Children have to calculate how much each section of the bar represents using the measurement at the beginning and end of each section.

Mean Average

The average mean is calculated by adding all the values of a set of data and dividing by the number of values. It is the mathematical process of sharing data equally.





Year 6 Reasoning Quiz 5

Symmetry

1. Draw the reflection of this shape in the mirror line.



2. Draw an isosceles triangle on the grid and mark any lines of symmetry.





Properties of Shape

3. On this grid, draw a quadrilateral with 2 sides perpendicular and no sides parallel.



On this grid, draw a quadrilateral with 2 sides that are parallel and no sides that are perpendicular.





Coordinates

4. Shape A is translated to Shape B. Shape B is then translated in the same way to Shape C. Complete the coordinates of Shapes B and C.







Angles

5. Accurately measure the different angles in this parallelogram.





Page 4 of 6

Pie Charts

8. 100 girls and 50 boys were asked which kind of chocolate they like best.





Explain why the number of girls who preferred plain chocolate is the same as the number of boys who preferred milk chocolate.



9. Each class raises some money for charity.

This bar chart shows how much each class raised





Mean Average

10. A group of children take a spelling test. The marks were 7, 6, 8, 4 and 5.

They take another test a week later and the scores are 9, 9, 6, 4 and 7.

What is the improvement in the average score from the first test to the second?



END OF TEST





Reasoning Quiz 5







Reasoning Quiz 5

7	68°	8	A quarter of the girls liked plain chocolate best = 25 girls
			Half of the boys who liked milk chocolate best = 25 boys
9	a) Y4 and Y6 b) Years 3 and 4 raised more (£53>£52)	10	Answer is 1 mark

