Year 3

Using and applying mathematics

• Solve one- and two-step problems involving numbers, money or measures, including time, choosing and carrying out appropriate calculations

The table shows the times when some children start their swimming lessons.

name	time
Desi	9.15 am
Ella	9.45 am
Harry	8.45 am
Sita	7.15 am
Tom	8.15 am
Vickv	7.45 am

Which 2 children have lessons between Harry and Sita?

KS1 2003 level 3

Lewis makes a call from a telephone box. He has £2 in coins.

He uses these five coins to make the call.



How much money has he got left from the £2?

KS2 2001 Paper A level 3

Megan is 109cm tall. Sunil is 137cm tall. How much taller is Sunil than Megan?

KS1 2002 level 3

Sita had £10. She spent £2.35. How much money did she have left?

KS1 2003 level 3

Kemi is looking at a number on a card. She doubles the number then adds 3. Her answer is 15. What number is she looking at?

KS1 2007 level 3

Jane chose a number. She doubled it. Her answer was one hundred and two. What number did Jane choose?

KS1 2005 level 3 [oral]

Kemi has only two coins in her purse. Tick (\checkmark) all the amounts she could have in her purse.

23p......20p......25p......22p......26p

KS1 2007 level 3

There are 265 children at Hill School. 102 children have a packed lunch. 27 children go home for lunch. The other children have a school lunch.

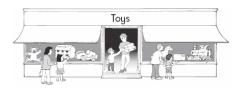
How many children have a school lunch? Show how you work it out.

KS1 2005 level 3

Harry does English and maths homework each week. It takes him a total of two and a half hours.

He spends 80 minutes doing English homework. How many minutes does he spend doing maths homework?

KS1 2004 level 3



The shop is open for 6 days each week. It is open for 8 hours each day. How many hours is the shop open each week? Show how you work it out.

KS1 2005 level 3

Chen has £9.10. He wants to buy a game which costs £11.50. How much more does he need to save?

Y4 optional test 2003 Paper A level 3

Cinema tickets cost £3.65 each. Hannah buys 4 tickets. How much does Hannah pay?





popcorn £1.95 milkshake £1.25

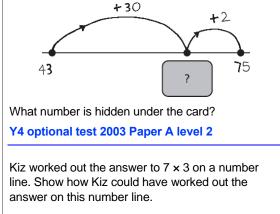
Nico buys a box of popcorn and two milkshakes. How much does Nico spend altogether?

KS2 2004 Paper B level 3

Mathematics: Year 3 Pitch and expectations

• Represent the information in a puzzle or problem using numbers, images or diagrams; use these to find a solution and present it in context, where appropriate using £.p notation or units of measure

Molly drew a number line to find the answer to 43 + 32.



•	1	Т	Т	Т	Т	Т	Т	Т	Т	Τ	Т	T ₂	Т	Т	Τ	Т	Т	Т	1	Т	Т	T	T	T	Γ	*
0					5					10					15				1	20				1	25	

KS1 2005 level 3

The table shows how many 10p, 5p and 2p coins Tara has.

Coin	Number of coins
10p	8
5р	4
2p	5

How much money does she have altogether? Work it out in the box.



KS1 2009 level 3

Each toy costs 25p. Jack buys 6 toys.



How much change does he get from £2.00? Show how you work it out in the box.



Sunil had 50 books. He sold some and then had 20 left. Which of these is a number sentence that shows this?

> A [-20 = 50]B 20 - [= 50]C [-50 = 20]D 50 - [= 20]

Here are some signs.



Write the correct sign in each box. One is done for you.



KS1 2009 level 3

Tara does not know how to work out the answer to this:

 $16 \times 5 =$

Show Tara how to work out the correct answer in the box.



Jack worked out the correct answer to 50 \times 4 \times 2. His answer was 400.

Show how he could have worked out his answer.



KS1 2007 level 3

Complete the table. The first row is done for you.

		1 × 5	5		
		3 × 5			
			35		
KS1 2007 level 3					

Mathematics: Year 3 Pitch and expectations

• Follow a line of enquiry by deciding what information is important; make and use lists, tables and graphs to organise and interpret the information

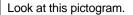
A shop sells different kinds of greeting cards. This pictogram shows how many they sold in a week.

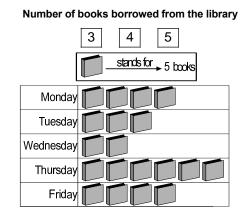
	stands for 100 cards
Birthday cards	
Thank You cards	
Get Well cards	

Estimate how many Birthday cards were sold.

Estimate how many more Thank You cards than Get Well cards were sold.

KS2 2005 Paper B level 3





How many more books were borrowed on Tuesday than on Wednesday?

KS1 2000 level 3

Some children counted the number of books and CDs at home.

	Books	CDs
Jim	72	52
Ryan	21	49
Lucy	62	32
Dan	48	48
Sara	28	56

Two children have fewer CDs than books. Which children?

Who has twice as many CDs as books?

KS1 2007 level 3

This table shows how many journeys a taxi driver made on five days and how much money he collected.

	number of journeys	money collected
Monday	23	£85
Tuesday	36	£112
Wednesday	18	£69
Thursday	31	£124
Friday	35	£109

How much money did he collect on the day that he made the most journeys?

How much more money did he collect on Monday than on Wednesday?

KS2 2003 Paper A level 3

Write each letter in the correct place on the diagram. One has been done for you.

Т	Ν	Ρ	S	
		rved nes	no curved lines	
straight lines				
no straight lines	S			

Y4 optional test 2003 Paper A level 3

60 children visit the zoo. They each vote for their favourite big cat. Complete the table.

favourite big cat	number of children
cheetah	7
lion	22
tiger	13
panther	
leopard	10
total	60

Now look at each sentence below. Put a tick (\checkmark) if it is true. Put a cross (*) if it is not true.

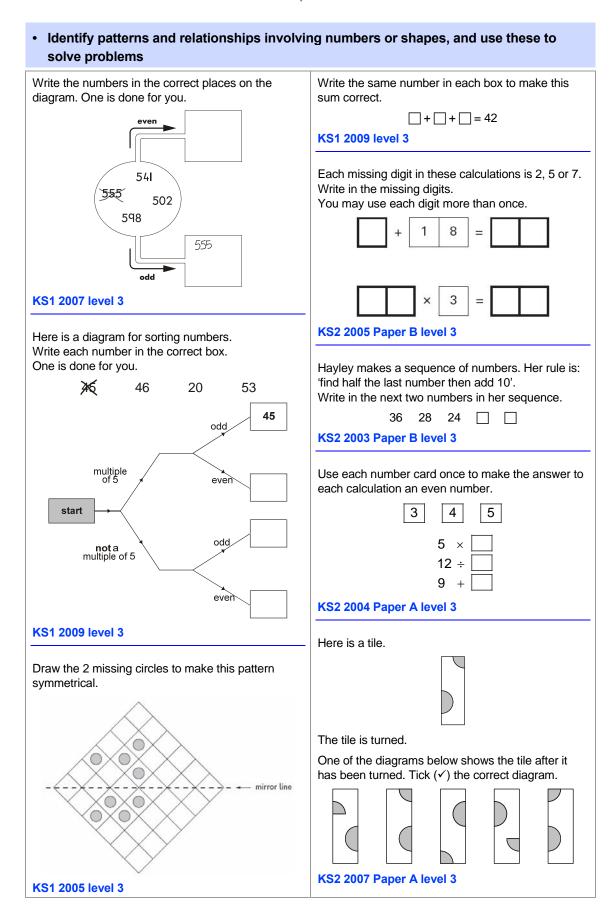
Nine more children voted for the lion than for the leopard.

The lion was more popular than the tiger.

 $1/_4$ of the children voted for the tiger.

Y3 Optional test 2003 paper A level 3

Mathematics: Year 3 Pitch and expectations

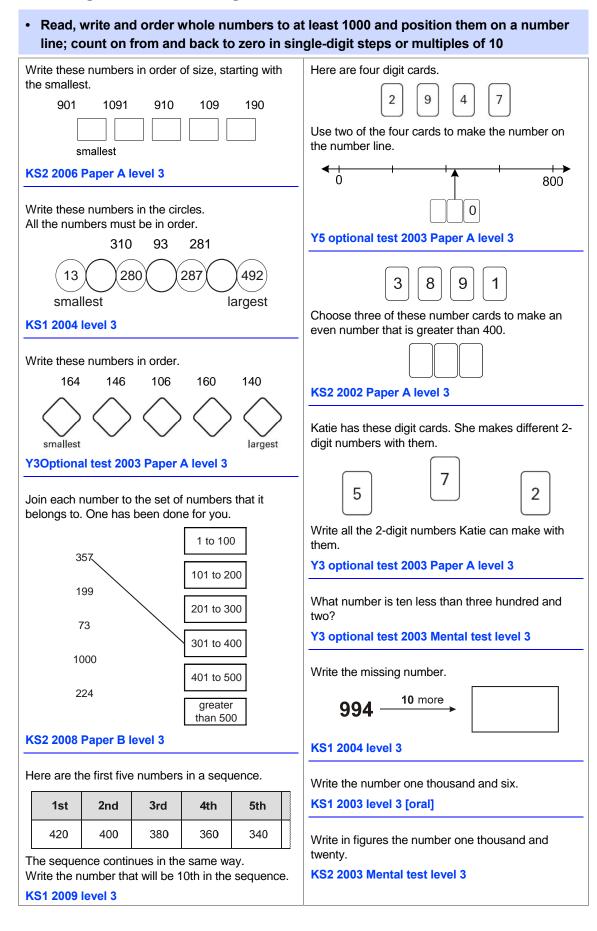


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cost £3.65 each. ickets. Hannah pay?
<pre>milkshake £1.25 of popcorn and two milkshakes. Nico spend altogether? od. r B level 3 ry multiple of 5 ends in 5.' rcle Yes or No. know. r B level 3 s has four sides. our-sided shape is always a square? . know. r A level 3</pre>

Mathematics: Year 3 Pitch and expectations

Counting and understanding number

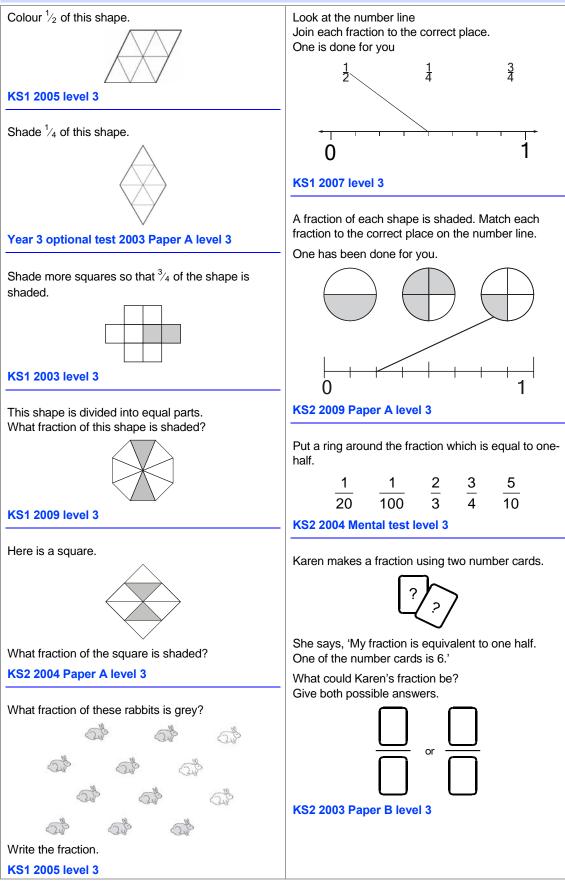


7 of 25 The National Strategies Primary Mathematics: Year 3 Pitch and expectations

 Partition three-digit numbers into multiple ways 	s of one hundred, ten and one in different
Write the total. 200 + 40 + 7 = KS1 2004 level 3 Write a number in the box to make this correct. $857 = \Box + 50 + 7$	3 8 9 1 Choose three of these number cards to make an even number that is greater than 400. KS2 2002 Paper A level 3
KS1 2000 level 2aWrite the missing numbers. $361 = \Box + 60 + 1$ $945 = 900 + \Box + 5$ KS1 2007 level 3Write numbers in the boxes to make this correct. $350 + \Box + \Box = 420$ KS1 2004 level 3	Look at these digit cards. 8 9 7 Use each card once to make the largest number. Use each card once to make the smallest even number.
Round two- or three-digit numbers to the sums and differences	KS1 2003 level 3 nearest 10 or 100 and give estimates for their
Circle the number that is closest to 700. 750 72 651 69 770 KS2 2004 Paper B level 3	Write the missing number.
Round the following numbers. 540 to the nearest 100 236 to the nearest 10 KS2 2009 Paper B level 3	KS1 2003 level 3 Round four hundred and sixty-two to the nearest ten. KS1 2009 level 3 [oral]
Circle the number that is closest to 250 261 246 255 209 275 KS2 2007 Paper B level 3	Write three hundred and twenty-six to the nearest ten. KS2 2000 Mental test level 3
Here are some numbers. 307249355297311 Write one of the numbers in the box to make this correct.	Round each number in a box to the nearest 100. One is done for you. 300
The number is rounded to the nearest 10 is 300.	400
Which of these numbers give 80 when rounded to the nearest 10? Circle all the correct numbers.8487727690	472 500
KS2 2003 Paper A level 3	600 412 700
	Y3 optional test 2003 Paper B level 3

Mathematics: Year 3 Pitch and expectations

• Read and write proper fractions, e.g. ³/₇, ⁹/₁₀, interpreting the denominator as the parts of a whole and the numerator as the number of parts; identify and estimate fractions of shapes; use diagrams to compare fractions and establish equivalents



Mathematics: Year 3 Pitch and expectations

Knowing and using number facts

• Derive and recall all addition and subtraction facts for each number to 20, sums and differences of multiples of 10 and number pairs that total 100

What is nine minus four?	What must be added to eighty-three to make one hundred?			
Y3 optional test 2003 Mental test level 2	Y3 optional test 2003 Mental test level 3			
Subtract nine from fourteen.				
Y4 optional test 2003 Mental test level 2	What number must I add to thirty-six to make one hundred?			
What is eleven subtract six?	Y4 optional test 2003 Mental test level 3			
Y4 optional test 2003 Mental test level 2	What is one hundred subtract twenty-four?			
	KS2 2001 Mental test level 3			
Add together three, five and seven.				
Y4 optional test 2003 Mental test level 2	Subtract twenty-one from one hundred.			
What is the sum of six, eight and nine?	KS2 2005 Mental test level 3			
Y3 optional test 2003 Mental test level 3	Katie has one pound. She spends twenty-five			
	pence. How much money does she have left?			
Some children were asked to choose their favourite animal in the zoo. This table shows the results.	Y3 optional test 2003 Mental test level 2			
Girls Boys	-			
zebra 9 3	Tom bought one stamp for twenty pence. How much change should he get from one pound?			
lion 4 9	Y4 optional test 2003 Mental test level 2			
giraffe 7 4				
monkey 8 7	Write the missing number in the box.			
elephant 6 5	□ + 57 = 100			
How many more girls than boys chose giraffes?	KS1 2002 level 3			
How many more boys chose lions than elephants?	Write numbers in the boxes to make to make this			
Which animal was chosen by the greatest number	correct.			
of children?	60 + [] = 100 = 20 + []			
KS2 2007 Paper B level 3	KS1 2007 level 3			
Draw lines to join all the pairs of number cards				
which have a difference of 30.	Here are four digit cards.			
One has been done for you.	4 6 2 7			
	Use all four digit cards to make this sum correct.			
	+ 100			
200 70	KS2 2009 Paper A level 3			
250 330	What is the total of one hundred and twenty and seventy?			
	Y4 optional test 2003 Mental test level 3			
300	Circle three numbers which add to make 400			
KS2 2005 Paper A level 3	Circle three numbers which add to make 190 10 30 50 70 90			
	10 30 50 70 90 KS2 2001 Paper B level 3			
	NOL LUUT Faper Diever J			

Mathematics: Year 3 Pitch and expectations

• Derive and recall multiplication facts for the 2, 3, 4, 5, 6 and 10 times-tables and the corresponding division facts; recognise multiples of 2, 5 or 10 up to 1000

1 0 7 0	
What is six multiplied by five? KS1 2007 level 3 [oral]	Jack thinks of a number. It is a multiple of ten. It is more than one hundred and fifty and less than
	two hundred.
Multiply five by nine.	What could the number be?
KS2 2001 Mental test level 3	KS1 2007 level 3 [oral]
Five is a quarter of a number. What is the number?	Circle three numbers that add to make a multiple of 10.
KS1 2003 level 3 [oral]	
	11 12 13 14 15 16 17 18 19
Multiply eight by four.	KS2 2005 Paper A level 3
Y4 optional test 2003 Mental test level 3	
	Write always sometimes or never
What is three times three added to four times four?	in each box to make the sentences correct.
KS2 2003 Mental test level 3	Multiples of 2 end in 3
There are 35 children.	Multiples of 5 end in 5
They get into teams of 5.	
How many teams are there altogether?	Multiples of 10 end in 0
KS1 2003 level 3	KS1 2009 level 3
Write the missing number in the box.	
$\Box \div 2 = 7$	Here is a diagram for sorting numbers. Write each number in the correct box.
KS1 2001 level 3	One is done for you.
	₩5 46 20 53
Write the answer.	
45 ÷ 5 =	odd 45
KS1 2002 level 3	×
	multiple
Rob has some number cards.	multiple of 5 even
He holds up a card. He says, 'If I multiply the	start
number on this card by 5, the answer is 35.'	
What is the number on the card?	not a odd
He holds up a different card. He says, 'If I divide the number on this card by 6, the answer is 4.'	multiple of 5
What is the number on the card?	
KS2 1999 Paper A level 3	even
	KS1 2009 level 3
Use knowledge of number operations and	corresponding inverses, including doubling
and halving, to estimate and check calcula	ations
Write in the missing numbers.	Write a number in each box to make this correct.
+ + 85 = 200	×2 ÷2
4 x □ = 36	
120 - 51 =	
KS2 2004 Paper A level 3	KS1 2005 level 3
	Estimate the answer to

Write a calculation that you could do to check the answer to

48 + 71

11 × 49

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Calculating

Add or subtract mentally combinations of	one- and two	o-digit num	ibers
What is twenty-seven subtract nine?	Mina and Be	n play a gam	е.
Y3 optional test 2003 Mental test level 3			MAN
Add thirty-six and seventy.			
KS2 2002 Mental test level 3			
Subtract thirty-two from seventy.			- Es
KS2 2004 Mental test level 3	Mina scores		
What is the sum of twenty-three and twenty-seven?	Ben scores 4		bes Mina score than Ben?
	-	•	
KS2 2000 Mental test level 3		test 2003 Pa	aper A level 3
Add ten and ninety-seven.	This table sh	ows the incre	ase in bus fares.
KS1 2009 level 3 [oral]	Bus	fares	
	old fare	new fare	
What is thirty subtract nineteen?	42p	48p	
KS1 2007 level 2 [oral]	52p	57p	
	60p	72p	
Start with the number eighteen. Double it and then add ten.	75p	85p £1.05	
KS1 2009 level 3 [oral]	90p £1.20	£1.05 £1.28	
			J
Emma is 21 years old today.	Sohan's new How much ha		
Her father is 24 years older.			as gone up by 10p'. How
How old is Emma's father?	much is Millie		
KS1 2005 level 3 [oral]	KS2 2001 Pa		
There are 52 children on the bus.			
19 get off.	Circle the numbers that add up to 100		
How many children are left on the bus?	64	32 16	8 4 2 1
KS1 2004 level 3 [oral]	KS2 2005 Pa	aper A level 3	3

Mathematics: Year 3 Pitch and expectations

· Develop and use written methods to record, support or explain addition and subtraction of two- and three-digit numbers Write the total. Work out the difference between 147 and 205. 156 + 83 = KS1 2004 level 3 147 205 Write the total. KS1 2005 level 3 256 + 172 =KS1 2001 level 3 Write the answer. 348 - 99 =Write the total. KS1 2009 level 3 175 + 65 = KS1 2007 level 3 Write the answer. 248 - 35 = Add together 24, 67 and 45. KS1 2009 level 3 KS1 2001 level 2a Write the answer. Write the missing number in the box. 176 - 49 =456 + 🗌 = 710 KS1 2003 level 3 KS1 2003 level 3 Write the answer. Write the total. 253 - 138 = 36 + 44 + 24 = KS1 2007 level 3 KS1 2009 level 3 Calculate 309 - 198. Draw a line to join two other numbers which have a KS2 2003 Paper A level 3 total of 700. 360 125 Write the answer. 1000 - 143 =KS1 2004 level 3 340 225 Write in the missing number. + 85 = 200 **44**C 120 – 51 = 🗌 475 KS2 2004 Paper A level 3 KS2 2000 Paper B level 3 Draw lines to join the circle to two more number cards which make 150. 75+75 1000 pieces There are 1000 pieces in a puzzle. 90+70 12 pieces go missing. How many pieces are left? 150 85+65 KS1 2009 level 3 450-300

KS3 2002 Paper A level 3

220-80

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 Multiply one- and two-digit numbers by 10 or 100, and describe the effect 	
What is sixty-five multiplied by one hundred?	
Y4 optional test 2003 Mental test level 3	
Write what the missing numbers could be.	
□ × □ = 150	
Y4 optional test 2003 Paper A level 3	
Harry multiplied two numbers together. His answer was 120.	
Which two numbers could he have multiplied together? KS1 2004 level 3	
Ben saved twenty-four 10p coins and ten 20p coins. How much money has Ben saved? Y3 optional test 2003 Paper A level 3	

Mathematics: Year 3 Pitch and expectations

• Use practical and informal written methods to multiply and divide two-digit numbers (e.g. 13 × 3, 50 ÷ 4); round remainders up or down, depending on the context

(0.9.10 0,00 1/,100.00 000 000	
Write the answer.	Write numbers in the boxes to make this correct.
24 × 4 =	30 ÷ 🗌 = 🗌
KS1 2005 level 3	KS1 2007 level 3
Look at these three numbers.	Calculate 13 × 3.
5 12 60	Y3 optional test 2003 Paper A level 3
Use all three numbers to make these correct.	Calculate 48 ÷ 3.
÷=	KS2 2009 Paper A level 3
KS1 2009 level 3	
	Calculate 56 ÷ 4.
Ella's dad washes some cars.	KS2 2005 Paper A level 3
He uses 12 buckets of water.	· · · · · · · · · · · · · · · · · · ·
Each bucket has 5 litres of water.	What is the remainder when twenty-seven is divided
How many litres of water does he use altogether?	by five?
KS1 2004 level 2a	
KS1 2004 level 2a	KS2 2005 Mental test level 3
Miss West needs 28 paper cups.	Circle the two divisions which have an answer of 5
She has to buy them in packs of 6	remainder 2
	17 ÷ 5 17 ÷ 3 22 ÷ 4 22 ÷ 5
	Y5 optional test 2003 Paper A level 3
	Tara has 4 books.
	Ravi has 3 times as many books as Tara.
× ×	
How many packs does she have to buy?	
	the second second
KS1 2009 level 3	
	How many books do Tara and Ravi have
Jack is making cards.	altogether?
One sheet of paper makes 15 cards.	KS1 2009 level 3
Jack uses 5 sheets of paper.	
How many cards does he make?	
KS1 2007 level 3	Alan has 45 beans. He plants 3 beans in each of his pots.
	How many pots does he need?
Ten children can sit at one table.	
There are 43 children.	KS2 2004 Paper A level 3
How many tables are needed so that each child can	
sit at a table?	Jack wants to buy a bike that costs £107.
KS1 2005 level 3	
A carton of orange fills 6 cups.	
Mrs Green wants to fill 50 cups with orange.	
How many cartons of orange does she need to	
buy?	
KS1 2003 level 3	He saves £10 each Saturday.
	How many Saturdays will it take him to save
Sadi needs 26 cartons of juice for her party.	enough to buy the bike?
There are four cartons in a pack.	KS1 2007 level 3
How many packs does she need to buy?	
KS1 2001 level 3	

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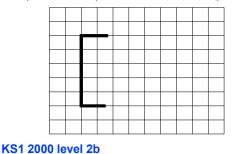
Understand that division is the inverse of derive and record related multiplication as	-
Here are 3 numbers.	Write a number in each box to make this correct. $300 \div 2 = \square \times \square$
Use all the numbers each time to complete these.	KS1 2003 level 3
5 × 6 = 30	
6 × 🗌 = 30	Write a number in each box to make this correct.
	×2 ÷2
□ ÷ 6 = 5	
KS1 2000 level 3	KS1 2005 level 3
When I doubled a number, the answer was 18. Which number did I double?	
KS1 2001 level 2b	
Find unit fractions of numbers and quanti	ties, e.g. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and $\frac{1}{6}$ of 12 litres
Jack ate half the cherries on the plate. These are the cherries that were left.	Here are 21 apples. Put a ring around one third of them.
How many cherries were on Jack's plate before he ate half of them?	 うううう うううう うううう うううう うううう うううう Y4 optional test 2003 Paper B level 3
Y4 optional test 2003 Paper A level 3	What is one-fifth of twenty-five?
Lucy has 16 cards. She gives a guarter of her cards to Kiran.	Y4 optional test 2003 Mental test level 3
How many cards does Lucy give to Kiran?	Five is a guarter of a number.
KS2 2003 Paper A level 3	What is the number?
	KS1 2003 level 3
Write the number which is half of 38.	What number is half of 550?
KS1 2001 level 3	KS1 2007 level 3

Mathematics: Year 3 Pitch and expectations

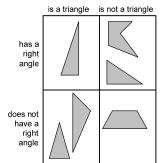
Understanding shape

• Relate 2-D shapes and 3-D solids to drawings of them; describe, visualise, classify, draw and make the shapes

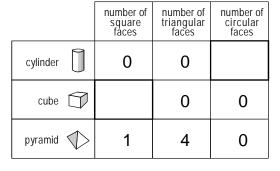
Complete this shape so that it makes a square.



One shape is in the wrong place on this sorting diagram. Draw a cross (**x**) on it.



KS1 2003 level 3



Write the missing numbers in the 2 empty boxes.

KS1 2000 level 2a

Imagine a cube. Four faces are yellow, the rest are blue. How many faces are blue?

KS1 2003 level 3 [oral]

How many vertices has a cuboid?

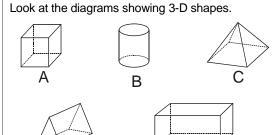
Y4 optional test 2003 Mental test level 3

Sita had a square.

She cut a triangle of this size off each corner.

What is the name of the shape that is left? Tick (\checkmark) it.

square, pentagon, hexagon, heptagon, octagon KS1 2003 level 3



One of the shapes has one square face and four triangular faces. Write the letter of this shape.

Ε

Two of the shapes have six faces. Write the letters of these shapes.

KS2 2005 Paper A level 3

This table shows information about four solid shapes. Complete the table. One has been done for you.

	number of flat surfaces	number of curved surfaces
sphere	0	1
cone		
cuboid		
cylinder		

KS2 2005 Paper B level 3

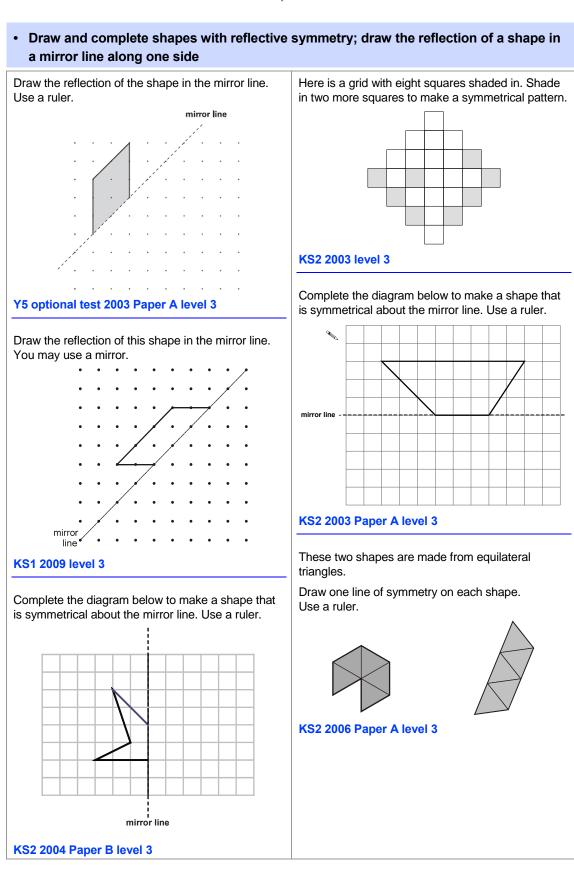
Here are seven shapes.



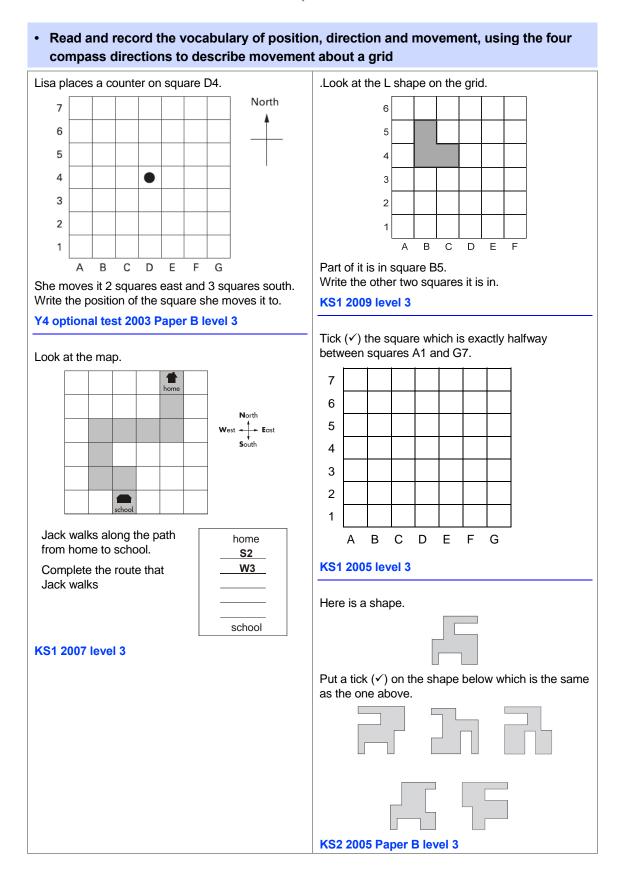
Write the letters of the two shapes which are pentagons.

KS2 2004 Paper B level 3

Mathematics: Year 3 Pitch and expectations

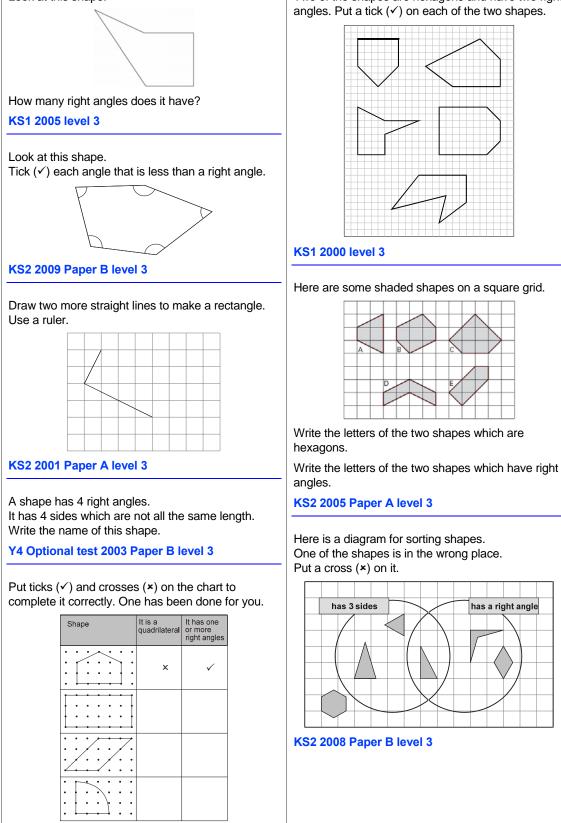


Mathematics: Year 3 Pitch and expectations



Mathematics: Year 3 Pitch and expectations

Use a set-square to draw right angles and to identify right angles in 2-D shapes; compare angles with a right angle; recognise that a straight line is equivalent to two right angles Look at this shape. Two of the shapes are hexagons and have two right angles. Put a tick (✓) on each of the two shapes.



Mathematics: Year 3 Pitch and expectations

Measuring

• Know the relationships between kilometres and metres, metres and centimetres, kilograms and grams, litres and millilitres; choose and use appropriate units to estimate, measure and record measurements

Look at the mure Lom holding	How many grama agual ana kilagram?
Look at the mug I am holding.	How many grams equal one kilogram?
One of these amounts is the estimate of the capacity of this mug. The amounts say:	KS1 2003 level 3
one metre, one litre, one centimetre, one quarter of	How many centimetres are there in half a metre?
a kilogram, one quarter of a litre.	KS2 2005 Mental test level 3
Tick the correct amount.	· · · · · · · · · · · · · · · · · · ·
KS1 2005 level 3 [oral]	Kate has a piece of ribbon one metre long. She cuts off 30 centimetres.
Ravi walks through the front door of his house.	Land
:	How many centimetres of ribbon are left?
	KS2 2007 Paper A level 3
	Sita said: 'On my third birthday I was 95 cm tall. Now I am 28 cm taller. How tall is Sita now?
Tick (\checkmark) the height the door is most likely to be.	KS1 2003 level 3
1 metre	
2 metres	Sita has 3 m 60 cm of ribbon.
5 metres	She cuts it into 3 equal pieces.
10 metres	How long is each piece?
100 metres	KS1 2004 level 3
KS1 2009 level 3	How many small bottles of water will fill the large bottle?
Two of these sentences could be true. Tick (\checkmark) the two sentences that could be true.	
Adam's pencil is 12 centimetres long.	
Leah is 12 metres tall.	
☐ Jake's glass holds 12 litres of milk.	
Kate's younger sister weighs 12 kilograms.	
Y4 optional test 2003 Paper A level 3	small bottle large bottle
Katie's glass holds a quarter of a litre when it is full. She nearly fills it to the top with juice.	of water of water $\frac{1}{4}$ litre 2 litres
Tick (\checkmark) the approximate amount of juice she puts in the glass.	KS1 2009 level 3
4 millilitres	But those times in order starting with the shortest
20 millilitres	Put these times in order, starting with the shortest.
120 millilitres	20 seconds
	5 minutes
220 millilitres	
420 millilitres	
Y3 Optional test 2003 Paper B level 4	
	shortest
	KS2 2008 Paper A level 3

Mathematics: Year 3 Pitch and expectations

· Read, to the nearest division and half-division, scales that are numbered or partially numbered; use the information to measure and draw to a suitable degree of accuracy

Draw another line 3 cm longer than this line. Emily is making a cake. She puts flour on the Use a ruler. scales. She then adds sugar to the flour. Y4 optional test 2003 Paper A level 3 0 4m 100 900 900 800 200 800 50 300 700 700 3m 500 50 How much sugar does she add? 2m Y5 optional test 2003 Paper B level 3 50 This jug has water in it. Im 500 millilitres 50 400 How tall is the sunflower? 300 KS1 2005 level 3 200 Ravi has a kitten. The scale shows the weight of the kitten. 100 Ravi pours 150 millilitres of water out of this jug. How much water will be left in the jug? 100 200 KS1 2001 level 3 300 grams 'n 400 millilitres 500 400 How much does the kitten weigh? 300 KS1 2009 level 3 200 This scale shows how much Mrs Patel weighs. 001 10 110 100 20 kq Kemi needs 450 millilitres of water. 90 How much more water does she needs to put 30 in the jug? 80 40 KS1 2007 level 3 50 60 Here is a scale which shows the weight of a letter. 100g How much does Mrs Patel weigh? 150<u>g</u> 509 Y4 Optional test 2003 Paper A level 3 How much does the letter weigh? Y3 Optional test 2003 Paper A level 3

100

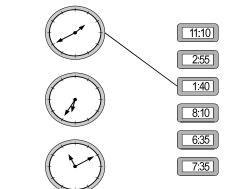
200

300

Mathematics: Year 3 Pitch and expectations

Read the time on a 12-hour digital clock and to the nearest five minutes on an analogue clock; calculate time intervals and find start or end times for a given time interval

Here are three clock faces. Match each clock face to the same time on a digital clock.



KS2 2000 level 3

This was the time on Selina's watch when she set off for a walk.



What time did the watch show 20 minutes before this?

What time did it show an hour and a half after she set off for the walk?

KS2 2001 Paper A level 3

Here is a clock.



How many minutes is it until this clock shows 7:30? KS2 2003 Paper B level 3

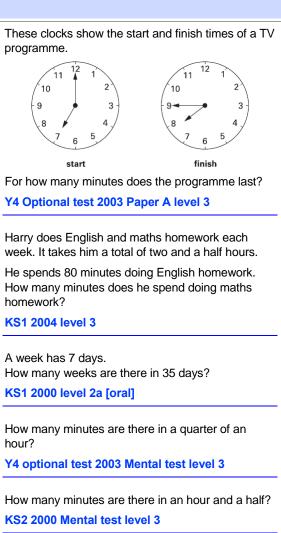
Harry leaves school at



He gets home at



How long does he take to get home? KS1 2003 level 3



What time is it half an hour after ten-fifteen? KS2 2009 Mental test level 3

What is the time twenty minutes after nine fifty-five? KS2 2002 Mental test level 3

My watch shows two-fifty p.m. What time will it show in thirty minutes?

KS2 2001 Mental test level 3

A train should arrive at 6:45. It is fifteen minutes late. At what time does it arrive?

KS1 2007 level 3 [oral]

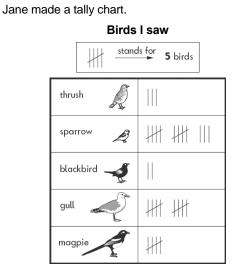
Jane leaves home at ten-fifteen. It takes her half an hour to get to the seaside. At what time does Jane get to the seaside?

KS1 2005 level 3 [oral]

Mathematics: Year 3 Pitch and expectations

Handling data

• Answer a question by collecting, organising and interpreting data; use tally charts, frequency tables, pictograms and bar charts to represent results and illustrate observations; use ICT to create a simple bar chart



How many more gulls than blackbirds did she see? KS1 2005 level 3

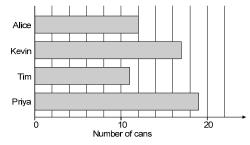
Some children were asked to choose their favourite animal in the zoo. This table shows the results.

	Girls	Boys
zebra	9	3
lion	4	9
giraffe	7	4
monkey	8	7
elephant	6	5

How many more girls than boys chose giraffes? How many more boys chose lions than elephants? Which animal was chosen by the greatest number of children?

KS2 2007 Paper B level 3

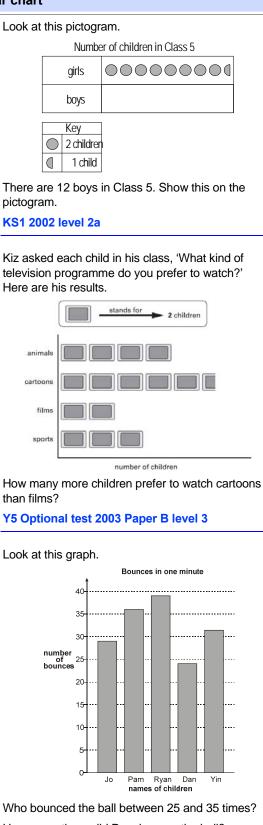
Some children collect cans for recycling. Here is a chart of how many cans they collect in the first week.



How many cans has Kevin collected?

Alice's target is to collect 30 cans. How many more cans does Alice need to reach her target?

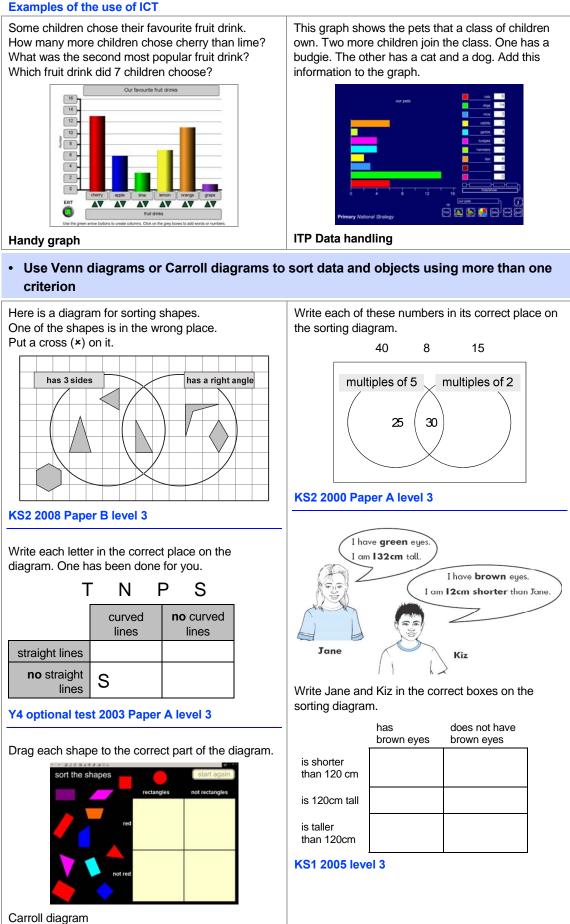
KS2 2003 Paper B level 3



How many times did Pam bounce the ball? KS1 2004 level 3

Mathematics: Year 3 Pitch and expectations

Examples of the use of ICT



Mathematics: Year 3 Pitch and expectations

Acknowledgment

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