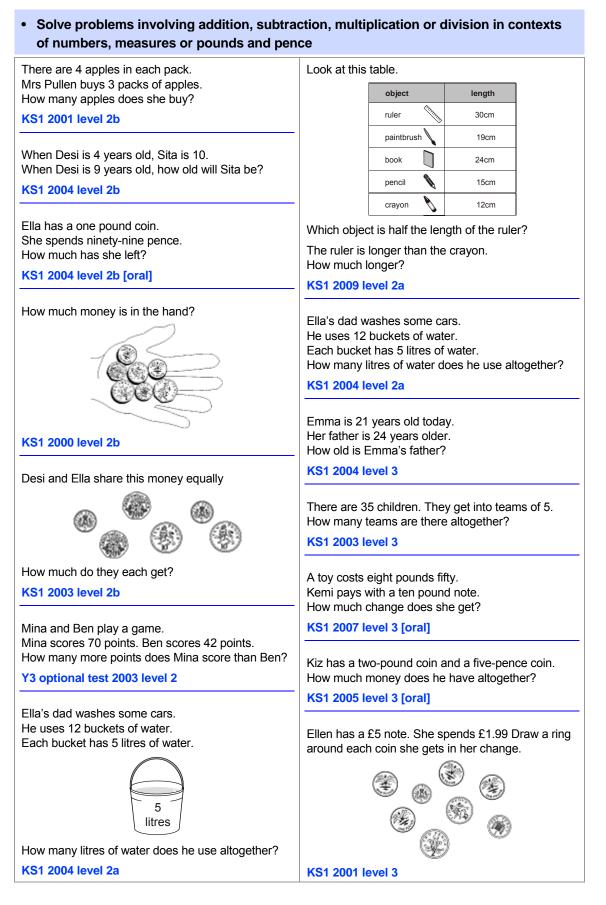
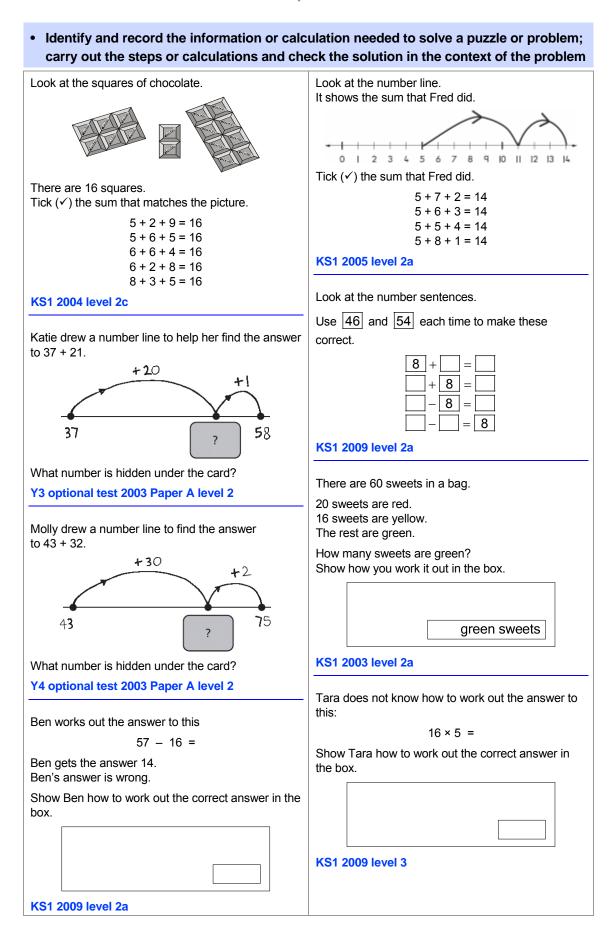
**1 of 25** The National Strategies | Primary For more sats papers go to satspapers.org Mathematics: Year 2 Pitch and expectations

## Year 2

#### Using and applying mathematics





Mathematics: Year 2 Pitch and expectations

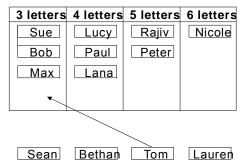
• Follow a line of enquiry; answer questions by choosing and using suitable equipment and selecting, organising and presenting information in lists, tables and simple diagrams

Investigate different ways of making 30p using only silver coins.

How many different ways can you find? Record each different way of doing it.

[oral question]

Class 2 counted the letters in their names. They sorted some of them.



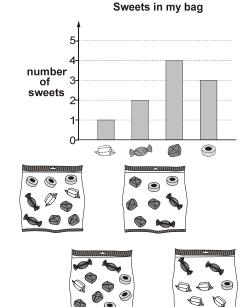
Draw arrows to show where these other names belong. Tom is done for you.

#### KS1 2002 level 2b

Suggest a question you could ask about the information in the completed table.

Ben made a graph.

Tick ( $\checkmark$ ) the bag that shows Ben's sweets.



#### KS1 2009 level 2b

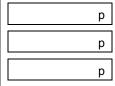
Suggest another question you could ask about the information in the graph.

Suggest two more questions you could ask about the sweets in the four bags.



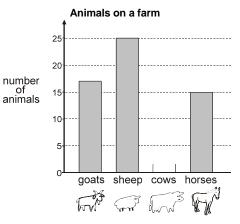
Abi had 80p in her purse. Then she lost one of the coins.

How much altogether could be left in her purse now? Write all the different amounts.



KS1 2009 level 2a

Here is a graph.



The farm has more sheep than horses. How many more?

The farm has 5 more cows than horses. Complete the graph to show the number of cows.

#### KS1 2009 level 3

Suggest a question you could ask about the information in the completed graph.

# 4 of 25 The National Strategies Primary Mathematics: Year 2 Pitch and expectations

Describe patterns and relationships involve and test these with examples	ving numbers or shapes, make predictions
Write the two missing numbers in this sequence. 41 43 45 47 49 53 KS1 2000 level 2b	Write the missing digits to make this correct. 0 + 2 = 3 3 KS1 2004 level 3
Write the correct + or – sign in each box. 58 □ 26 = 84 43 □ 17 = 26 33 □ 33 = 0 KS1 2001 level 2b	Write the missing amounts in this sequence. The same amount is added each time. £2.65 £2.75 £2.85 £3.15 KS1 2004 level 3
Two of these shapes are not hexagons. Draw a cross (*) on each shape which is not a hexagon.	Two of these shapes have no lines of symmetry. Draw a cross (*) on them. You may use a mirror.
Two of these sentences are correct. Tick ( $\checkmark$ ) them. A cube has curved faces. A cube has 6 faces. A cube has more than 6 corners. A cube has fewer than 6 edges. <b>KS1 2009 level 2a</b> Ella is making 3-digit numbers with these cards. She can make this number. $\boxed{7 \ 2 \ 4}$	Here is a diagram for sorting numbers. Write each number in the correct box. One is done for you.
Write all the other 3-digit numbers she can make.	not a multiple of 5 even

Mathematics: Year 2 Pitch and expectations

# • Present solutions to puzzles and problems in an organised way; explain decisions, methods and results in pictorial, spoken or written form, using mathematical language and number sentences

Lee buys two of these things to eat. He spends £1 altogether. Tick (*) the two things he buys. Top 40p Top 40p Top 30p KS1 2007 level 2b Anna's mum hides some chocolate eggs. Sara finds 10 eggs. Lee finds 13 eggs. Lee finds 13 eggs. Lee finds 11 eggs. Anna is num hides some chocolate eggs. Sara finds 10 eggs. Lee finds 11 eggs. How many eggs do they find altogether? Show how you work it out in the box. KS1 2007 level 2b KS1 2003 level 3		
Yop       Yop         Yop       Y	He spends £1 altogether.	
sop sop   sop sop   KS1 2007 level 2b   Anna's mum hides some chocolate eggs. Sara finds 10 eggs. Carl finds 13 eggs. Lee finds 11 eggs. Anna finds 12 eggs. How many eggs do they find altogether? Show how you work it out in the box. KS1 2007 level 2b There are 60 sweets in a bag. 20 sweets are red. 16 sweets are green. How many sweets are green? Show how you work it out. KS1 2003 level 3 KS1 2003 level 3 KS1 2003 level 3	TICK (✓) the two things he buys.	The the the the the
sop sop   sop sop   KS1 2007 level 2b   Anna's mum hides some chocolate eggs. Sara finds 10 eggs. Carl finds 13 eggs. Lee finds 11 eggs. Anna finds 12 eggs. How many eggs do they find altogether? Show how you work it out in the box. KS1 2007 level 2b There are 60 sweets in a bag. 20 sweets are red. 16 sweets are green. How many sweets are green? Show how you work it out. KS1 2003 level 3 KS1 2003 level 3 KS1 2003 level 3		
Sop       30p         KS1 2007 level 2b         Anna's mum hides some chocolate eggs.         Sara finds 10 eggs.         Carl finds 13 eggs.         Lee finds 11 eggs.         Anna finds 12 eggs.         How many eggs do they find altogether?         Show how you work it out in the box.         eggs         KS1 2007 level 2b         Now how you work it out in the box.         eggs         KS1 2007 level 2b         There are 60 sweets in a bag.         20 sweets are red.         16 sweets are yellow.         The rest are green.         How many sweets are green?         Show how you work it out.	70р 40р	
50p30pKS1 2007 level 2bAnna's mum hides some chocolate eggs.Sara finds 10 eggs.Carl finds 13 eggs.Lee finds 11 eggs.Anna finds 12 eggs.How many eggs do they find altogether?Show how you work it out in the box.eggsKS1 2007 level 2bThere are 60 sweets in a bag.20 sweets are red.16 sweets are yellow.The rest are green.How many sweets are green?Show how you work it out.	crisus	Show how you work it out.
KS1 2007 level 2b       Sita worked out the correct answer to 16 × 5.         Anna's mum hides some chocolate eggs.       Sita worked out her answer.         Sara finds 10 eggs.       B0         Lee finds 11 eggs.       B0         Anna finds 12 eggs.       B0         How many eggs do they find altogether?       Show how you work it out in the box.         Eeggs       KS1 2004 level 3         KS1 2007 level 2b       KS1 2004 level 3         There are 60 sweets in a bag.       20 sweets are red.         16 sweets are yellow.       14         The rest are green.       How many sweets are green?         How many sweets are green?       Show how you work it out.		
Anna's mum hides some chocolate eggs.   Sara finds 10 eggs.   Carl finds 13 eggs.   Lee finds 11 eggs.   Anna finds 12 eggs.   How many eggs do they find altogether?   Show how you work it out in the box.   Eggs   KS1 2007 level 2b   There are 60 sweets in a bag.   20 sweets are red.   16 sweets are green.   How many sweets are green?   Show how you work it out.		Site worked out the correct appwor to 16 x 5
Anna's mum hides some chocolate eggs. Sara finds 10 eggs. Carl finds 13 eggs. Lee finds 11 eggs. Anna finds 12 eggs. How many eggs do they find altogether? Show how you work it out in the box. KS1 2007 level 2b There are 60 sweets in a bag. 20 sweets are red. 16 sweets are green. How many sweets are green? Show how you work it out. KS1 2003 level 3 KS1 2003 level 3	KS1 2007 level 2b	
Carl finds 13 eggs.   Lee finds 11 eggs.   Anna finds 12 eggs.   How many eggs do they find altogether?   Show how you work it out in the box.     End (1)   End (2)   End (2)     KS1 2007 level 2b     There are 60 sweets in a bag.   20 sweets are red.   16 sweets are yellow.   The rest are green.   How many sweets are green?   Show how you work it out.     KS1 2003 level 3	Anna's mum hides some chocolate eggs.	Show how she could have worked out her answer.
Carl finds 13 eggs.   Lee finds 11 eggs.   Anna finds 12 eggs.   How many eggs do they find altogether?   Show how you work it out in the box.     End (1)   End (2)   End (2)     KS1 2007 level 2b     There are 60 sweets in a bag.   20 sweets are red.   16 sweets are yellow.   The rest are green.   How many sweets are green?   Show how you work it out.     KS1 2003 level 3	Sara finds 10 eggs.	
Anna finds 12 eggs. How many eggs do they find altogether? Show how you work it out in the box.		
How many eggs do they find altogether?         Show how you work it out in the box.         eggs         KS1 2007 level 2b         There are 60 sweets in a bag.         20 sweets are red.         16 sweets are green.         How many sweets are green?         Show how you work it out.		80
Show how you work it out in the box.         eggs         KS1 2007 level 2b         There are 60 sweets in a bag.         20 sweets are red.         16 sweets are green.         How many sweets are green?         Show how you work it out.	Anna finds 12 eggs.	
eggs       His answer was 14.         KS1 2007 level 2b       Show how he could have worked out his answer.         There are 60 sweets in a bag.       14         20 sweets are red.       14         16 sweets are green.       14         How many sweets are green?       Show how you work it out.		KS1 2004 level 3
eggs       His answer was 14.         KS1 2007 level 2b       Show how he could have worked out his answer.         There are 60 sweets in a bag.       14         20 sweets are red.       14         16 sweets are green.       14         How many sweets are green?       Show how you work it out.		Harry worked out the correct answer to $70 \div 5$ .
eggs         KS1 2007 level 2b         There are 60 sweets in a bag.         20 sweets are red.         16 sweets are yellow.         The rest are green.         How many sweets are green?         Show how you work it out.		
KS1 2007 level 2b       14         There are 60 sweets in a bag.       14         20 sweets are red.       16 sweets are yellow.         16 sweets are green.       KS1 2003 level 3         How many sweets are green?       Show how you work it out.	anne	Show how he could have worked out his answer.
There are 60 sweets in a bag.       14         20 sweets are red.       16 sweets are yellow.         16 sweets are green.       KS1 2003 level 3         How many sweets are green?       Show how you work it out.	Cggs	
There are 60 sweets in a bag. 20 sweets are red. 16 sweets are yellow. The rest are green. How many sweets are green? Show how you work it out.	KS1 2007 level 2b	
20 sweets are red.KS1 2003 level 316 sweets are yellow.The rest are green.How many sweets are green?Show how you work it out.		
16 sweets are yellow.       The rest are green.       How many sweets are green?       Show how you work it out.	There are 60 sweets in a bag.	
The rest are green. How many sweets are green? Show how you work it out.		KS1 2003 level 3
How many sweets are green? Show how you work it out.	-	
Show how you work it out.		
-		
	KS1 2003 level 2a	

Mathematics: Year 2 Pitch and expectations

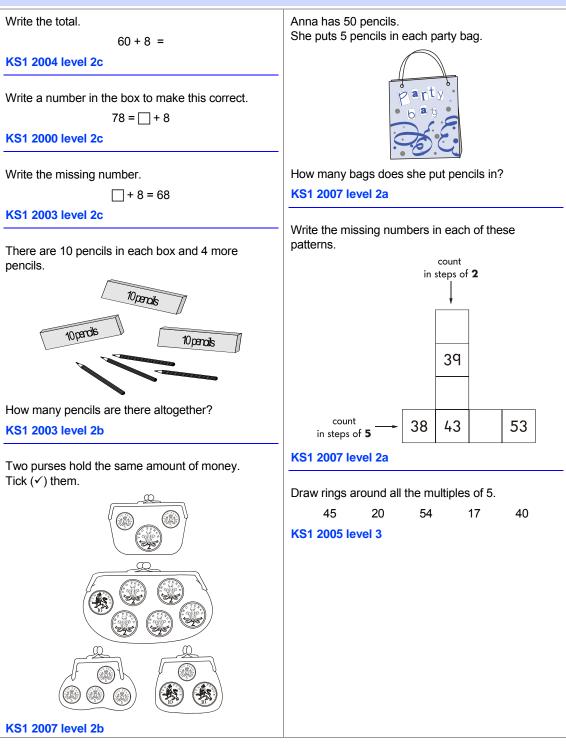
#### Counting and understanding number

# • Read and write two- and three-digit numbers in figures and words; describe and extend number sequences and recognise odd and even numbers

Write `c	one hund	dred and	d seven'	as a nu	ımber.		Write	e an o	dd nur	nber b	etwee	en 32 a	and 42.	
KS1 1999 level 2c [oral]			KS1 2003 level 2b [oral]											
	70 45 72			Drav even 15		6		7		that are	not			
KS1 20	05 leve	l 2c [ora	al]				KS1	2004	level	2b				
Write 2	4 in the	correct	place or	n the nu	mber gri	id.	Drav	a rin	-	nd ead				
7	8	9	10	11	12		KOA		35	11	28	16	29	
13	14	15	16	17			KS1	2002	level	20				
							This	numb	er squ	are is	torn.			
								1	2	3	4	5		
KS1 20	02 leve	l 2c [ora	al]					6	7	8	9	10	-	
tens. Write each l	the correction of the correcti	ect num	-	[  				11 16 21	12 17 22	13 18	14		]	
				— 150 — 140					the lar level :	-	umbe	r on th	ie square	?
- 140 - 130				Write	e the r	nissinę	g numl	oers ir	n this s	equence				
				-			KS1	47 2002	42	37 2b		22	17 1	2
								e the to 2004	otal. <b>Ievel</b> 3		+ 40 -	+ 7 =		
								857 =			this corr	ect.		

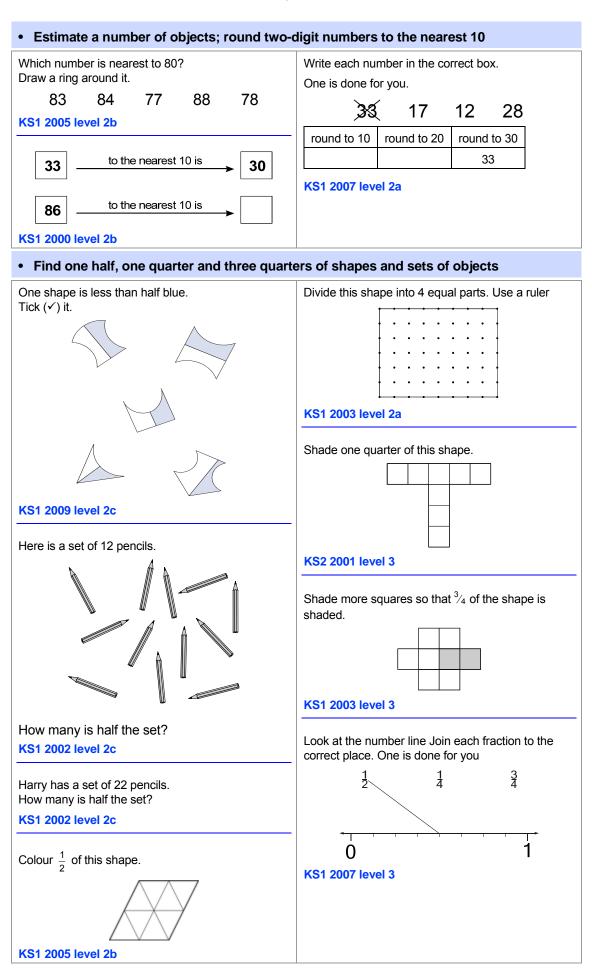
#### 7 of 25 The National Strategies Primary Mathematics: Year 2 Pitch and expectations

• Count up to 100 objects by grouping them and counting in tens, fives or twos; explain what each digit in a two-digit number represents, including numbers where 0 is a place holder; partition two-digit numbers in different ways, including into multiples of ten and one



# 8 of 25 The National Strategies Primary Mathematics: Year 2 Pitch and expectations

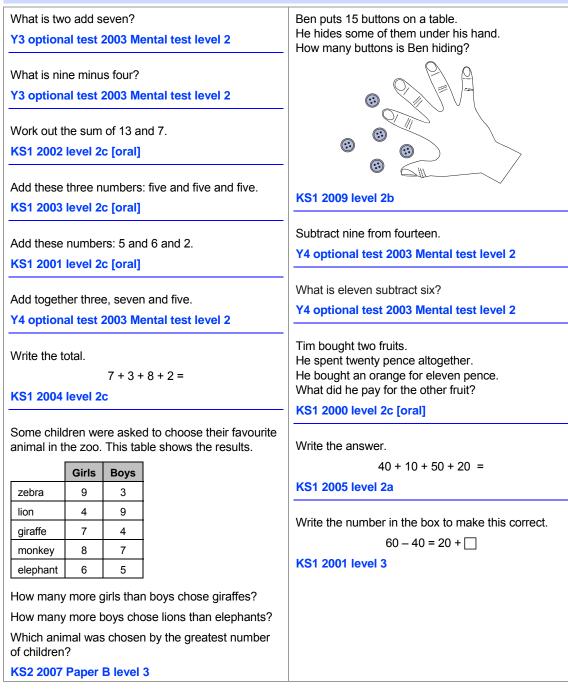
<ul> <li>Order two-digit numbers and position ther less than (&lt;) signs</li> </ul>	n on a number line; use the greater than (>),				
This sentence is correct.	Write the missing number in each box.				
10 is less than 12 ✓	is 1 less than				
Two of these sentences are correct. Tick ( $\checkmark$ ) them.	19				
19 is more than 36	is <b>10</b> less than				
28 is less than 52	19 — • • •				
50 is more than 15	KS1 2002 level 2a				
45 is less than 23					
KS1 2007 level 2c	Here are the first two rows on a 100 square.				
Here are some numbers.	I         2         3         4         5         6         7         8         9         10           II         I2         I2         I4         I5         6         7         8         9         10				
43 89 64 🏽 🛛 🖉 🕄 51	11 12 13 14 15 16 17 18 19 20				
Write the numbers in order. One is done for you. smallest largest	Here is another part of the 100 square. Write the two missing numbers.				
28					
KS1 2003 level 2c	77				
Desi walks on all the numbers from smallest to					
largest. Draw arrows $(\rightarrow)$ to show the path he takes.	KS1 2005 level 3				
A COLORING COLORING	Look at the number line. The arrow points to fifty.				
ALL A	Draw an arrow to show where the number one				
90	hundred and twenty-five belongs.				
21	ł				
59 (36)	0 50 100 150				
67	KS1 2005 level 3				
KS1 2004 level 2c	Estimate the number marked by the arrow. Write the number in the empty box.				
Write numbers in the boxes to make these correct.					
One is done for you.					
37 is more than 25					
37 is between and	KS1 2003 level 3				
37 has tens	Here are two signs.				
KS1 2009 level 2b	< >				
	Use the signs to make these correct.				
Imagine a number line. What number is halfway between 11 and 19?	52 🗌 17				
KS1 2003 level 2a	18 91				
	50 🗌 34				
	Y4 optional test 2003 Paper A level 3				



Mathematics: Year 2 Pitch and expectations

#### Knowing and using number facts

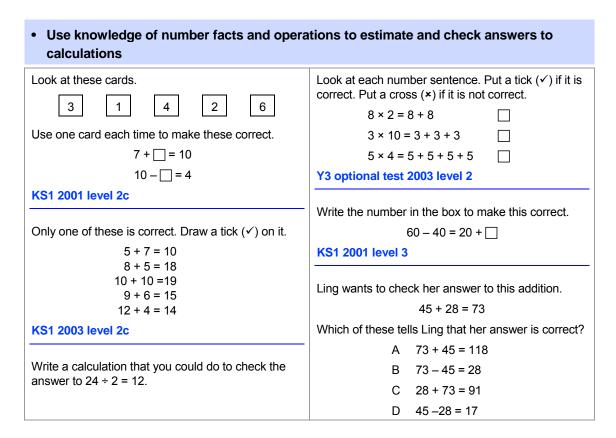
• Derive and recall all addition and subtraction facts for each number to at least 10, all pairs with totals to 20 and all pairs of multiples of 10 with totals up to 100



Mathematics: Year 2 Pitch and expectations

# • Understand that halving is the inverse of doubling and derive and recall doubles of all numbers to 20, and the corresponding halves

numbers to 20, and the corresponding ha	lves				
At the shop, all packets of crisps cost the same.	What is double seven?				
Hannah buys 2 packets. She pays 40 pence.	Y3 optional test 2003 Mental test level 2				
How much does one packet cost?	What is half of twelve?				
KS1 2002 level 2c [oral]	Y3 optional test Mental test level 2				
Write the missing number. One is done for you. $5 \rightarrow$ double and add $3 \rightarrow 13$ $8 \rightarrow$ double and add $3 \rightarrow \square$ KS1 2003 level 2b When I doubled a number, the answer was 18. Which number did I double? KS1 2001 level 2b [oral] Write the correct numbers in the boxes. Half of 12 is $\square$ Double 12 is $\square$ KS1 2009 level 2b	What is half of fourteen?         Y4 optional test 2003 Mental test level 2         Mina has thirty-two stickers.         She gives half to her brother.         How many stickers does she give him?         Y3 optional test 2003 Mental test level 2         Write the number which is half of 38.         KS1 2001 level 3 [oral]         What is half of this amount?         Image: What is half of this amount?				
	KS1 2005 level 3				
• Derive and recall multiplication facts for the division facts; recognise multiples of 2, 5	ne 2, 5 and 10 times-tables and the related				
-	ne 2, 5 and 10 times-tables and the related				
division facts; recognise multiples of 2, 5	ne 2, 5 and 10 times-tables and the related and 10				
division facts; recognise multiples of 2, 5 Write the missing number in the box.	ne 2, 5 and 10 times-tables and the related and 10 Draw rings around all the multiples of 5				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 35	he 2, 5 and 10 times-tables and the relatedand 10Draw rings around all the multiples of 54520541740KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.111213141516171819				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 35 40	ne 2, 5 and 10 times-tables and the related and 10         Draw rings around all the multiples of 5         45       20       54       17       40         KS1 2005 level 2a         Circle two numbers that add to make a multiple of 10.				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 35 7x5 40	he 2, 5 and 10 times-tables and the relatedand 10Draw rings around all the multiples of 54520541740KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.111213141516171819				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 35 40 2x8 10	he 2, 5 and 10 times-tables and the related and 10Draw rings around all the multiples of 5 45 20 54 17 40KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.11 12 13 14 15 16 17 18 19KS2 2005 level 3				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 35 40 5x2 10 5x2 16	ne 2, 5 and 10 times-tables and the related and 10         Draw rings around all the multiples of 5         45       20       54       17       40         KS1 2005 level 2a         Circle two numbers that add to make a multiple of 10.         11       12       13       14       15       16       17       18       19         KS2 2005 level 3         Write the missing number in the box.				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 2x8 40 5x2 10 5x2 16 $20 \div 2$ 15	he 2, 5 and 10 times-tables and the related and 10Draw rings around all the multiples of 5 $45$ 20 54 17 40KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.11 12 13 14 15 16 17 18 19KS2 2005 level 3Write the missing number in the box. $\Box \div 2 = 7$ KS1 2001 level 3				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 35 40 2x8 10 5x2 $20 \div 2$ 16	he 2, 5 and 10 times-tables and the related and 10Draw rings around all the multiples of 5 $45$ 20 54 17 40KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.11 12 13 14 15 16 17 18 19KS2 2005 level 3Write the missing number in the box. $\square \div 2 = 7$ KS1 2001 level 3Write the missing number in the box.				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 35 40 5x2 10 5x2 10 5x2 10 5x2 16 $20\div 2$ $45\div 5$	<td colu<="" td=""></td>				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 35 40 2x8 10 5x2 16 $20\div 2$ 15 $45\div 5$ 9	he 2, 5 and 10 times-tables and the related and 10Draw rings around all the multiples of 5 $45$ 20 54 17 40KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.11 12 13 14 15 16 17 18 19KS2 2005 level 3Write the missing number in the box. $\square \div 2 = 7$ KS1 2001 level 3Write the missing number in the box. $5 \times 4 = 10 \times \square$				
division facts; recognise multiples of 2, 5 Write the missing number in the box. $\Box \times 5 = 50$ KS1 2001 level 2b Match each one to an answer. You may use an answer more than once. 7x5 35 40 2x8 10 5x2 16 $20\div 2$ 15 $45\div 5$ 9	Draw rings around all the multiples of 5 $45$ 20 54 17 40KS1 2005 level 2aCircle two numbers that add to make a multiple of 10.1112131415161718KS2 2005 level 3Write the missing number in the box. $\Box \div 2 = 7$ KS1 2001 level 3Write the missing number in the box. $5 \times 4 = 10 \times \Box$ KS1 2002 level 3				



Mathematics: Year 2 Pitch and expectations

### Calculating

• Add or subtract mentally a single-digit number or a multiple of 10 to or from any twodigit number; use practical and informal written methods to add and subtract two-digit numbers

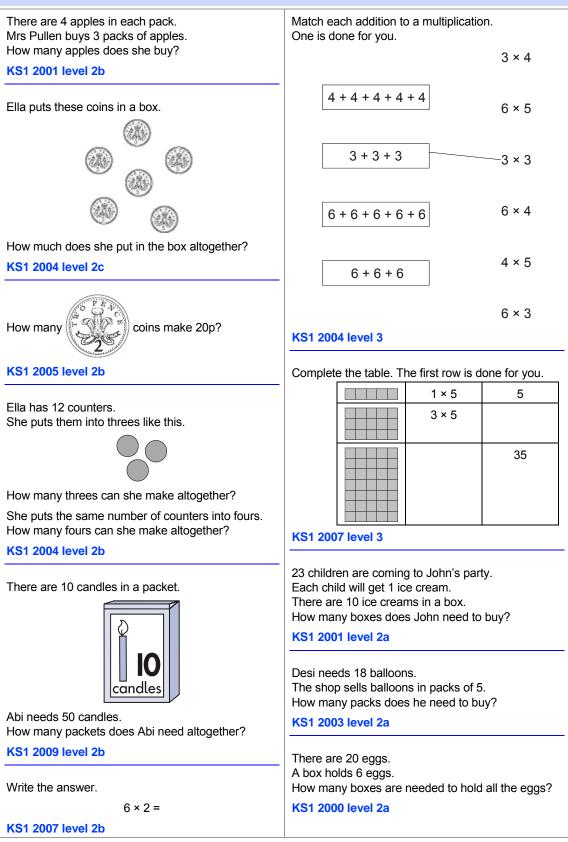
Write the answers.	Tick ( $\checkmark$ ) the two numbers which total 50.
5 + 10 =	
15 + 10 =	24 15
25 + 10 =	20 20
KS1 2001 level 2c	
	19
Write the total.	KS1 2002 level 2a
58 + 9 =	
	Write the total.
KS1 2000 level 2c	24 + 68 =
Write the answer.	KS1 2007 level 2a
30 – 15 =	
KS1 2003 level 2b	Write the total.
	61 + 11 =
Write the answer.	KS1 2004 level 3
54 + 19 =	<u> </u>
KS1 2009 level 2b	Write the total.
	36 + 29 =
Write the number which is 11 less than 40.	KS1 2002 level 2a
KS1 2004 level 2a	
	Write the answer.
What is thirty subtract nineteen?	75 – 43 =
KS1 2007 level 2a [oral]	KS1 2007 level 2a
	Write the answer.
	82 – 45 =
	KS1 2004 level 3
	Add together 24, 67 and 45.
	KS1 2001 level 2a
There are 20 shildren. 5 shildren are pointing	Write the answer.
There are 29 children. 5 children are painting. How many children are not painting?	
KS1 2007 level 2b	63 – 37 =
	KS1 2002 level 3
	Work out the difference between 46 and 18.
	KS1 2000 level 3
	Write the answer.
12 children are on a bus.	150 + 56 =
8 children get off the bus.	KS1 2005 level 3
Then 4 more children get off the bus.	
Tick ( $\checkmark$ ) the number of children left on the bus.	What is twonty soven subtract size?
8 20 14	What is twenty-seven subtract nine?
KS1 2009 level 2b	Y3 optional test 2003 Mental test level 3

Mathematics: Year 2 Pitch and expectations

# • Understand that subtraction is the inverse of addition and vice versa; use this to derive and record related addition and subtraction number sentences

Twenty-three children are on the bus. Four children get off and four children get on. How many children are on the bus now? KS1 2005 level 2c [oral]	Put a number in the box to make this correct. 38 – 🗌 = 11 KS1 1997 level 2a
Look at the numbers in this addition. 9 + 5 = 14 Use the same numbers to make these correct. - = 9 + 9 = 5 KS1 2005 level 2b	Write numbers in the boxes to make this correct. 18 + = 18 KS1 2003 level 3

#### Represent repeated addition and arrays as multiplication, and sharing and repeated subtraction (grouping) as division; use practical and informal written methods and related vocabulary to support multiplication and division, including calculations with remainders



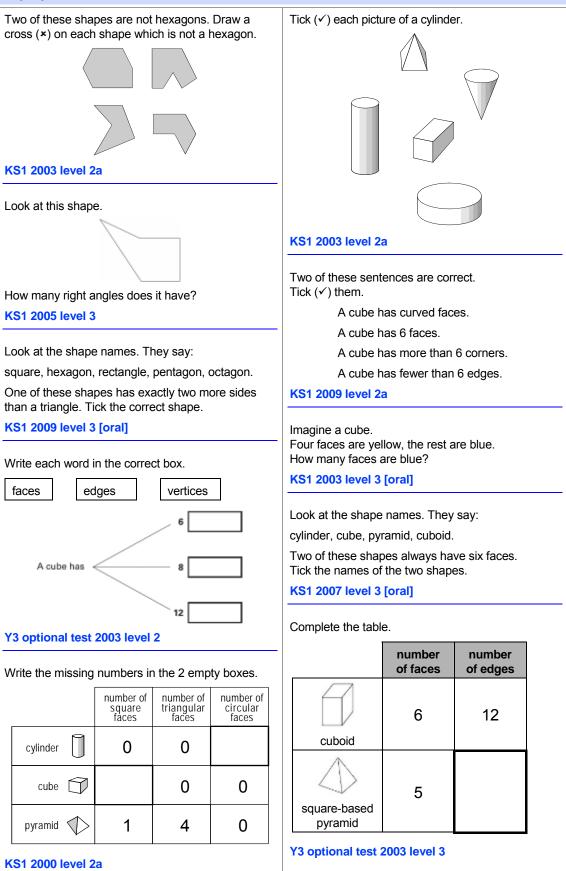
# 16 of 25 The National Strategies Primary Mathematics: Year 2 Pitch and expectations

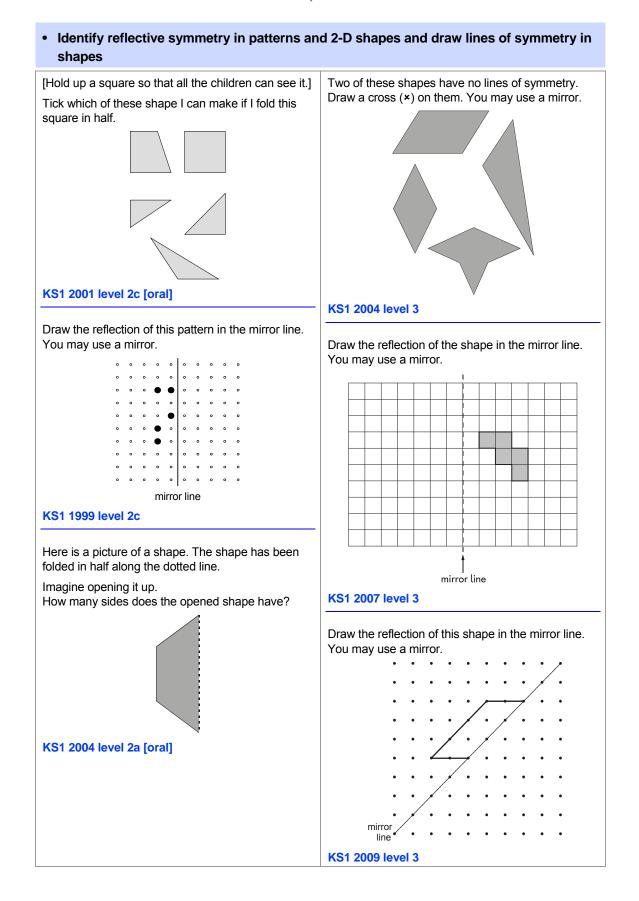
<ul> <li>Use the symbols +, -, ×, ÷ and = to record four operations; calculate the value of an u</li> <li>□ ÷ 2 = 6, 30 - □ = 24</li> </ul>	and interpret number sentences involving all unknown in a number sentence, e.g.
Write four different numbers to make these correct. $\Box + \bigtriangleup = 17$ $\diamond + \bigcirc = 17$ KS1 2003 level 2c	Write the same number in each triangle to make the multiplication correct. $\triangle \times \triangle = 100$ KS1 2004 level 2b [oral]
Write numbers in the boxes to make this correct. $13 + \square + \square = 23$ KS1 2005 level 2c	Write the missing number in the box. $\Box \times 10 = 50$ KS1 2001 level 2b
Here are some signs. + - × ÷ Write the correct sign in each box.	Write the missing number in the box. $\Box \div 2 = 7$ KS1 2001 level 2a
One is done for you. 3 + 3 = 6 3 - 3 = 1 3 - 3 = 9	Write the missing number in the box. $5 \times 4 = 10 \times \square$ KS1 2002 level 3
KS1 2009 level 3	

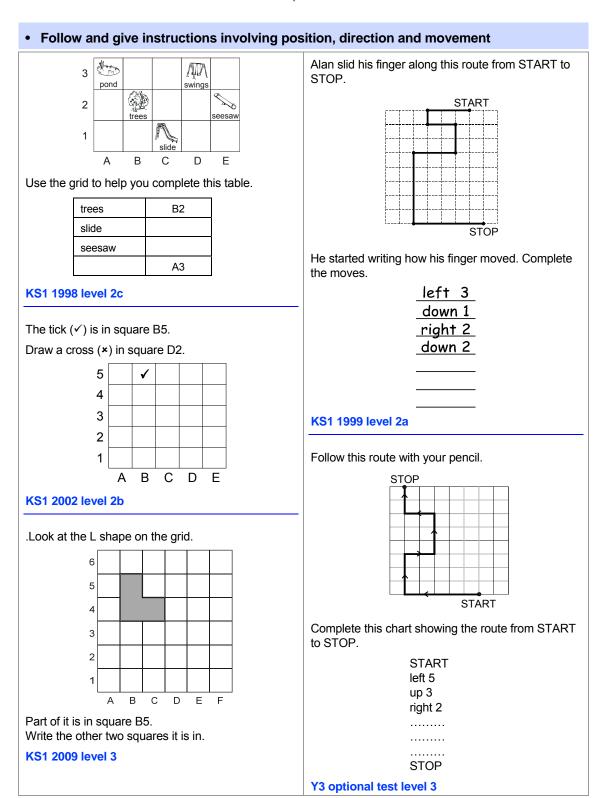
Mathematics: Year 2 Pitch and expectations

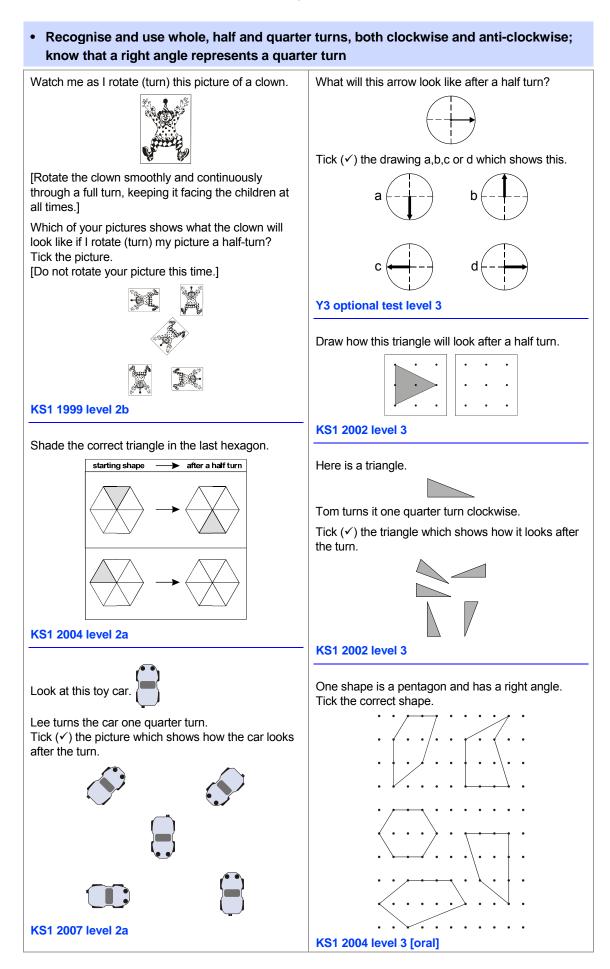
#### **Understanding shape**

#### Visualise common 2-D shapes and 3-D solids; identify shapes from pictures of them in different positions and orientations; sort, make and describe shapes, referring to their properties



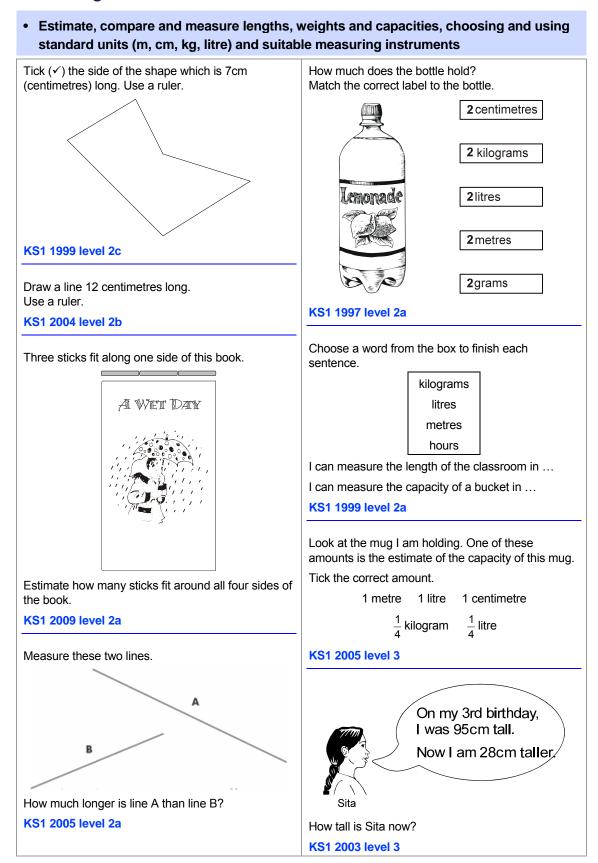






Mathematics: Year 2 Pitch and expectations

#### Measuring



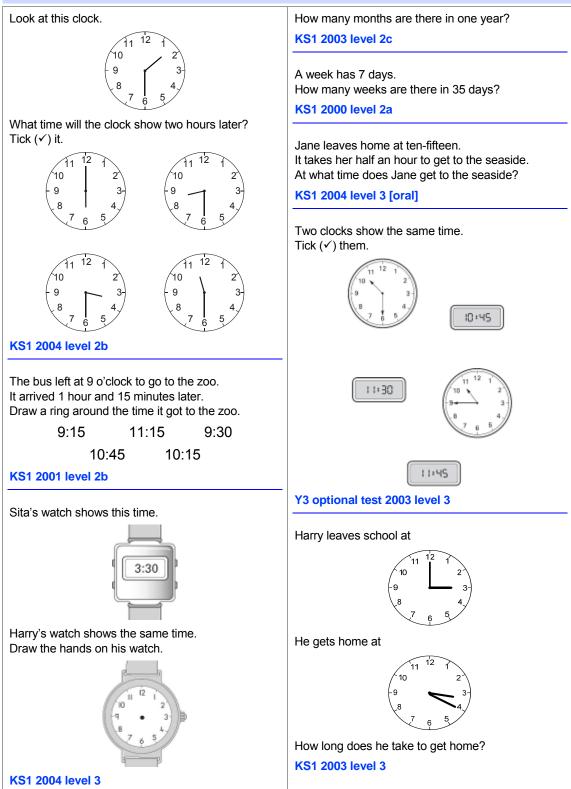
Mathematics: Year 2 Pitch and expectations

• Read the numbered divisions on a scale, and interpret the divisions between them, e.g. on a scale from 0 to 25 with intervals of 1 shown but only the divisions 0, 5, 10, 15 and 20 numbered; use a ruler to draw and measure lines to the nearest centimetre

How much does the bag weigh?	How much does this parcel weigh? Match the correct label to the parcel.
KS1 2007 level 2b Draw a line 3 cm longer than this line. Use a ruler. KS1 2000 level 2a Here is a pattern of lines. Draw the missing line in the pattern. Use a ruler.	How heavy is Peter?
2 cm 4 cm 6 cm cm 10 cm KS1 2007 level 2a	Here is a scale which shows the weight of a letter.

Mathematics: Year 2 Pitch and expectations

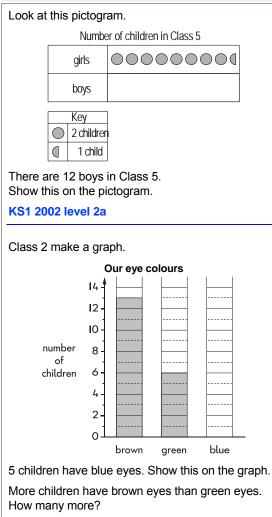
• Use units of time (seconds, minutes, hours, days) and know the relationships between them; read the time to the quarter hour; identify time intervals, including those that cross the hour



Mathematics: Year 2 Pitch and expectations

#### Handling data

#### · Answer a question by collecting and recording data in lists and tables; represent the data as block graphs or pictograms to show results; use ICT to organise and present data



KS1 2007 level 2a

A shop sold 10 ice lollies on Wednesday.

$\bigcap \longrightarrow 5$ Iollies	Number of	lollies sold		
	Monday	<b>QQQ</b>		
	Tuesday	ρρρρ		
	Wednesday	<b>QQ</b>		
	Thursday	QQQ		
	Friday	QQQQQ		
	Saturday	QQQQ		
	Sunday			
How many lollies were sold on Monday?				
How many more lollies were sold on Tuesday that				

Н ۱ on Wednesday?

Y3 optional test 2003 level 2

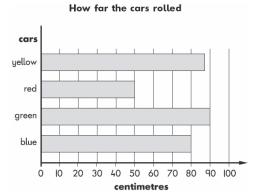
The tally chart shows the number of children in each class.

Class	Tally	Total
Class 1	₩₩	10
Class 2	***	22
Class 3		13
Class 4	***	17

The tally for Class 3 is covered up. Complete the tally for Class 3.

KS1 2004 level 2a

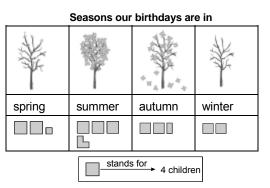
Some children rolled toy cars down a slope.



How far did the blue car roll?

How much further did the green car roll than the red car?





There is an even number of birthdays in 2 seasons. Which seasons are they?

How many children have a birthday in the summer?

#### KS1 2003 level 3

#### 01117-2009PDF-EN-06

Mathematics: Year 2 Pitch and expectations



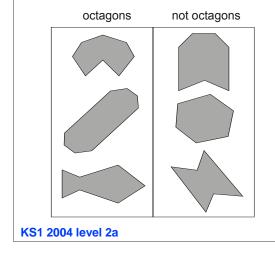
able shows the ages of some children.				
Name	Age			
Fred	7 years	4 months		
Harriet	7 years	0 months		
Isla	6 years	10 months		
Julian	7 years	6 months		
Kate	6 years	11 months		
Asim	6 years	11 months		

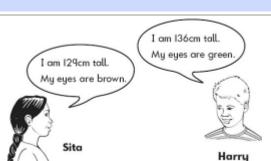
#### Who is the youngest?

How many children are older than Harriet?

#### KS1 2001 level 2b

These shapes have been sorted. One shape is in the wrong place. Draw a cross (\*) on it.





Write Sita's and Harry's names in the correct boxes on the diagram.

	is taller than 130cm	is not taller than 130cm	
has brown eyes			
does not have brown eyes			



#### Acknowledgment

Questions from various QCA papers.  $\ensuremath{\mathbb{C}}$  Qualifications and Curriculum Authority. Used with kind permission.

QCA test questions and mark schemes can be found at www.testbase.co.uk