

Ma

KEY STAGE

1

LEVELS

2 &amp; 3

2007

Level 2 and level 3

Mathematics tests

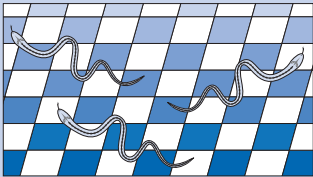
# Assistance for the written questions

## Level 2

Key stage 1  
**Mathematics booklet**  
 2007

Name

Score  Level and grade



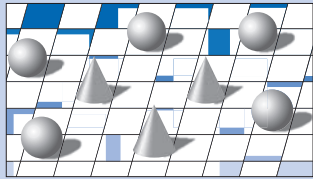
Level 2

## Level 3

Key stage 1  
**Mathematics booklet**  
 2007

Name

Score  Level



Level 3

department for

## education and skills

creating opportunity, releasing potential, achieving excellence



2007

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## General guidance

- *Any person administering the tests should have a copy of this booklet for reference during the tests.*
- You may read any text with which children need help, but only rephrase text as indicated in this guidance.
- You may read numbers or abbreviations included in sentences (eg '*Jim has 20 stickers*' or '*Tick the line that is 8 cm long*').
- You **must not** read numerals or symbols within calculations (eg '*25 + 16 =*' or ' $\square + 8 = 68$ '), unless otherwise stated.
- You **must not** help with the interpretation of graphs, diagrams, equations, coin values, etc.
- You may rephrase, or replace, unfamiliar names with terms such as '*this boy*' or '*this girl*'.
- You may rephrase general instruction terms such as '*Draw a ring around*' or '*Complete*'.
- Where the guidance for specific questions indicates that you may rephrase non-mathematical words, you may indicate any artwork for the question.
- Where a child has omitted a question or questions, you may check that it was their intention to do so.
- The practice questions are not part of the test. You may therefore read or rephrase any text in these questions.

# Assistance for the level 2 written questions

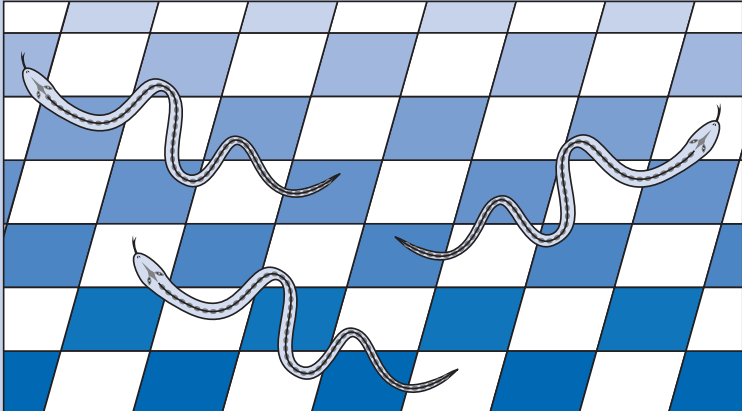
Key stage 1

## Mathematics booklet

2007

Name

Score  Level and grade



Level 2

6 Draw a ring around the person who is **11th** in the queue.

queue **ends** here

queue **starts** here

8

You may read any of the words on this page, but **only** rephrase *person*, *queue*, *ends* and *starts*.

You may read *11th*.

Please note: this question does not assess understanding of *queue starts* and *queue ends*; if a child counts correctly from either end they will reach the correct person in the queue.

7 Write the answer.

$$7 + 5 + 7 =$$

8 Look at these signs.

+

=

-

Write a sign in each box to make this correct.

18  7  11

9

Do not read the calculation.

You may read any of the words in this question, but **only** rephrase *box* and *correct*.

Do not read any of the signs or the calculation.

9 Anna made this table.

name	has brown hair
Sara	yes
Lee	no
Anna	no
Carl	yes

Write each child's name in the correct box to sort them.  
One name is done for you.

```

    graph TD
      A[has brown hair] -- yes --> B[Sara]
      A -- no --> C[ ]
  
```

10

You may read any of the words on this page, but **only** rephrase *brown hair* and *correct box*.

**Do not** help with the interpretation of the table or the diagram.

You may read this sentence, but **only** rephrase *boxes* and *correct*.

**Do not** read the calculations.

You may read this sentence, but **only** rephrase *missing*.

**Do not** help with the interpretation of the sequence.

10 Write numbers in the boxes to make these correct.

$$3 + \square = 8$$

$$\square + 5 = 9$$


---

11 Write the missing numbers in this pattern.

```

    graph LR
      A[3] --> B[6]
      B --> C[9]
      C --> D[ ]
      D --> E[15]
      E --> F[ ]
      F --> G[21]
  
```

11

12 This sentence is correct.

**10** is less than **12** ✓

**Two** of these sentences are correct.

Tick (✓) them.

**19** is more than **36**

**28** is less than **52**

**50** is more than **15**

**45** is less than **23**

12

You may read any of the words or numbers on this page, but **only** rephrase *correct*.

You may read any of the words on this page, but **only** rephrase *grey*.

You may read the letters and numbers on the axes of the grid if children ask you to do so. **Do not** help with the interpretation of the grid.

You may read *A5*, but **do not** explain how this relates to the grid.

13 Look at this grid.

Some squares are grey.

5					
4					
3					
2					
1					
	A	B	C	D	E

Write which squares are grey.

One is done for you.

A5

13




14 Write the answer.

$6 \times 2 =$

---

15



There are **29** children.

**5** children are painting.

How many children are **not** painting?

14

Do not read the calculation.

You may read any of the words or numbers in this question, but **only** rephrase *painting*.

You may read any of the words on this page, but **only** rephrase *eye colours, brown, green and blue*.

You may read the numbers on the vertical axis of the graph if children ask you to do so.

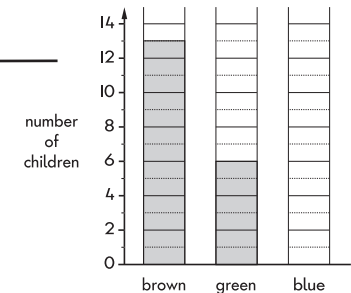
Make sure that children attempt part a. This was missed by some children in trials of the test.

You may read the number 5.

For part a, children may need a rubber if they wish to change their answer.

16 Class 2 make a graph.

**Our eye colours**



a **5** children have **blue** eyes.  
**Show this on the graph.**

b **More** children have **brown** eyes than **green** eyes.  
How many more?

15

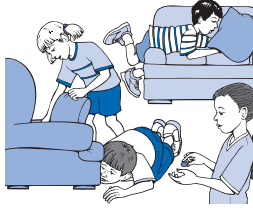
17 Anna's mum hides some chocolate eggs.

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

16

You may read any of the words or numbers on this page, but **only** rephrase *chocolate eggs*.

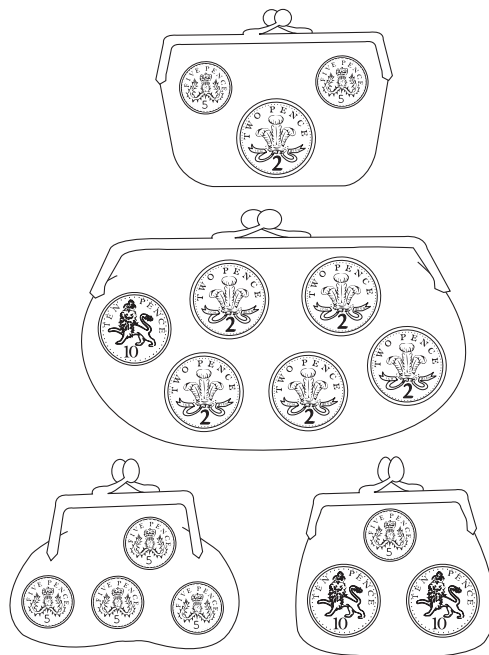
You may indicate the box.

Remind the children to show their method. They may get a mark even if their answer is wrong.

You may read any of the words on this page, but **only** rephrase *purses*.

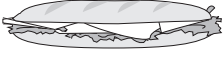
18 **Two** purses hold the **same** amount of money.

Tick (✓) them.




17


19 Lee buys **two** of these things to eat.  
 He spends **£1** altogether.  
 Tick (✓) the **two** things he buys.




**70p**



**40p**



**50p**



**30p**

18

You may read any of the words or numbers on this page.

You may read £1.

You may read any of the words or numbers on this page, but **only** rephrase *correct box*.

**Do not** help with the interpretation of the diagram.

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

~~33~~    17    12    28

rounds to <b>10</b>	rounds to <b>20</b>	rounds to <b>30</b>
		33

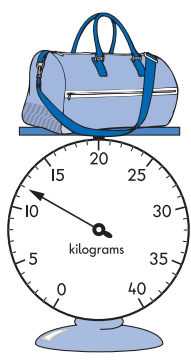
19

21 Write the total.

$24 + 68 =$

---

22



How much does the bag weigh?  kilograms

20

Do not read the calculation.

You may read any of the words or numbers in this question, but **only** rephrase *bag*.

Do not help with the interpretation of the scale.

You may read any of the words on this page.

You may indicate the lines and their labels to explain *pattern of lines*.

Do not read the lengths of the lines.

Children may need a rubber if they wish to change their answer.

23 Here is a pattern of lines.

Draw the missing line in the pattern.

Use a ruler.

<input type="text" value="2 cm"/>	_____
<input type="text" value="4 cm"/>	_____
<input type="text" value="6 cm"/>	_____
<input type="text" value="cm"/>	_____
<input type="text" value="10 cm"/>	_____

21

24 Write the answer.


$75 - 43 =$

---

25

Anna has **50** pencils.

She puts **5** pencils in each party bag.



How many bags does she put pencils in?  bags

22

Do not read the calculation.

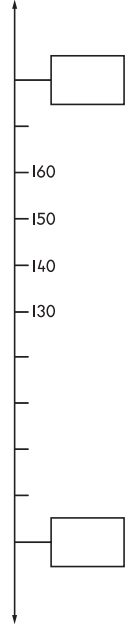
You may read any of the words or numbers in this question, but **only** rephrase *pencils* and *party bag*.

You may read any of the words on this page, but **only** rephrase *correct* and *box*.

Do not help with the interpretation of the scale.


26 This number line goes up in tens.

Write the correct number in each box.



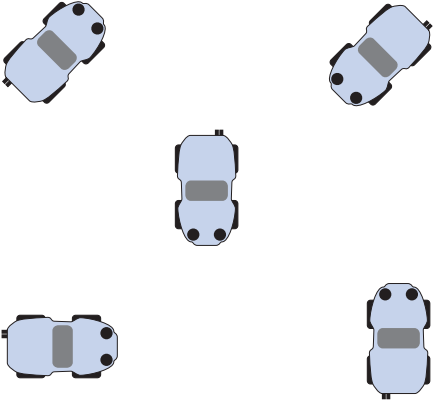
23

27 Look at this toy car.



Lee turns the car one quarter turn.

Tick (✓) the picture which shows how the car looks **after** the turn.



24

You may read any of the words on this page, but **only** rephrase *toy car*.

You may read any of the words on this page.

You may read the numbers 2 and 5 outside the boxes.  
Do not read the numbers inside the boxes.

28 Write the missing numbers in each of these patterns.

count in steps of 2

↓

39

count in steps of 5 →

38	43		53
----	----	--	----

25

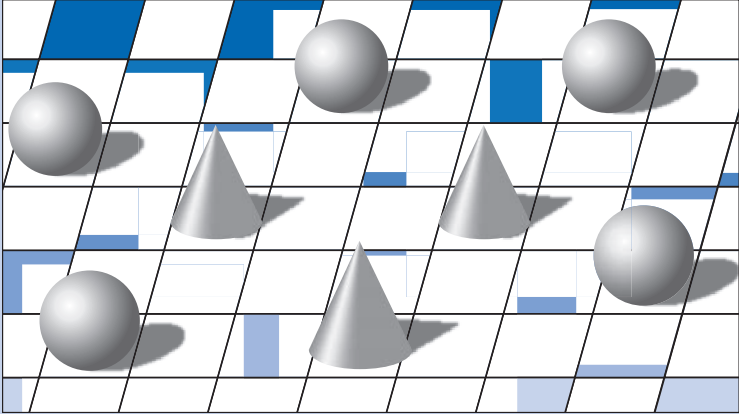
# Assistance for the level 3 written questions

Key stage 1

## Mathematics booklet

2007

Name	<input type="text"/>		
Score	<input type="text"/>	Level	<input type="text"/>



Level 3

**Practice question**

Write the missing numbers.

$$\boxed{79} = \boxed{70} + \boxed{\phantom{00}}$$

$$\boxed{23} = \boxed{\phantom{00}} + \boxed{3}$$

6 Write the missing numbers.

$$\boxed{361} = \boxed{\phantom{000}} + \boxed{60} + \boxed{1}$$

$$\boxed{945} = \boxed{900} + \boxed{\phantom{00}} + \boxed{5}$$

You may read any of the words in this question, but **do not** read the calculations.

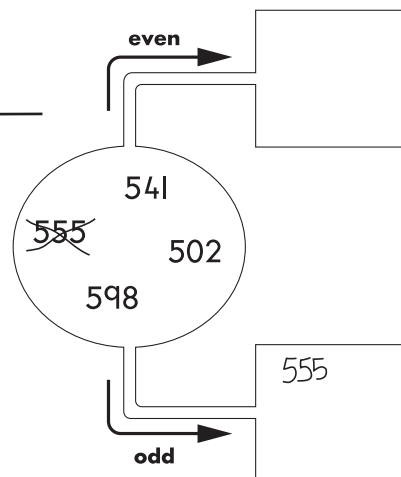
6

You may read any of the words or numbers on this page, but **only** rephrase *correct*.

**Do not** help with the interpretation of the sorting diagram.

7 Write the numbers in the correct places on the diagram.


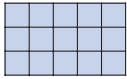
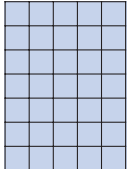
One is done for you.



7



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

	$1 \times 5$	5
	$3 \times 5$	
		35

8

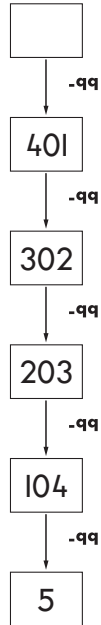
You may read any of the words on this page.

Do not read the calculations or help with the interpretation of the table.

You may read this sentence, but **only** rephrase *missing*.

Do not read any of the numbers or signs.

9 Write the missing number in this sequence.



9

10 Write numbers in the boxes to make this correct.

$$60 + \square = 100 = 20 + \square$$

11 Draw the reflection of the shape in the mirror line.  
You may use a mirror.

↑  
mirror line

10

You may read this sentence, but **only** rephrase *boxes* and *correct*.

**Do not** read the calculation.

You may read any of the words in this question.

**Do not** help with the interpretation of the diagram.

Children may need a rubber if they wish to change their answer.

You may read any of the words or numbers on this page, but **only** rephrase *books* and *CDs*.

**Do not** help with the interpretation of the table.

You may rephrase *twice* as *two times*.

12 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

a Two children have **fewer** CDs than books.  
Which children?

and

b Who has **twice** as many CDs as books?


11

13 Write numbers in the boxes to make this correct.

$$30 \div \square = \square$$


---

14



Jack wants to buy a bike that costs **£107**.  
 He saves **£10** each Saturday.

How many Saturdays will it take him to save enough to buy the bike?

Saturdays

12

You may read this sentence, but **only** rephrase *boxes* and *correct*.


**Do not** read the calculation.

You may read any of the words in this question, but **only** rephrase *bike* and *Saturday*.

You may read **£107** and **£10**.

You may read any of the words or numbers on this page, but **only** rephrase *card*.

15



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?

13

16

Kemi has two grey and two white counters.



Show **all** the different ways she can put them in a line.

One is done for you.



14

You may read any of the words on this page, but **only** rephrase *counters*.

Children may need a rubber if they wish to change their answer.

You may read any of the words or numbers on this page, but **only** rephrase *cards* and *sheets of paper*.

17

Jack is making cards.



One sheet of paper makes **15** cards.

Jack uses **5** sheets of paper.

How many cards does he make?

cards

15

18 Here are some numbers.

307 249 355 297 311

Write **one** of the numbers in the box to make this correct.

The number  rounded to the nearest **10** is **300**

16

You may read any of the words or numbers on this page, but **only** rephrase *box* and *correct*.


You may read any of the words or the number 400 on this page, but **only** rephrase *correct*.

For  $50 \times 4 \times 2$  say *this*.

Remind the children to show a method that Jack could have written to get his answer.

19 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.

400

17

20 Look at the map.

Jack walks along the path from home to school.

Complete the route that Jack walks.

home
<b>S2</b>
<b>W3</b>
_____
_____
_____
school

18

You may read any of the words on this page, but **only** rephrase *map*, *path*, *home*, *school* and *route*.  
Do **not** explain how these words relate to the diagram.

You may read *S2* and *W3* as *South two* and *West three*, but **do not** explain how these relate to the diagram.

You may read any of the words on this page, but **only** rephrase *purse*.

21

Kemi has **only two coins** in her purse.

Tick (✓) **all** the amounts **she could have** in her purse.

23p      20p      25p

22p      26p

19

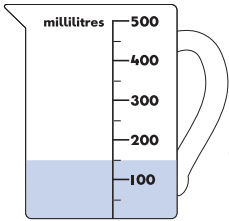
You may read these amounts as *twenty-three pence*, *twenty pence*, *twenty-five pence*, *twenty-two pence* and *twenty-six pence*.

22 Write the total.

$175 + 65 =$

---

23



Kemi needs **450** millilitres of water.

How much **more** water does she need to put in the jug?

millilitres

20

You may read any of the words in this question, but **do not** read the calculation.

You may read any of the words or numbers in this question, but **only** rephrase *water* and *jug*.

**Do not** help with the interpretation of the measuring scale.

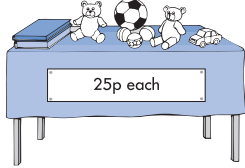
You may read any of the words or numbers on this page, but **only** rephrase *toy*.

You may read *25p* and *£2.00*.

You may indicate the box.

Remind the children to show their method. They may get a mark even if their answer is wrong.

24



Each toy costs **25p**

Jack buys **6** toys.

How much **change** does he get from **£2.00**?

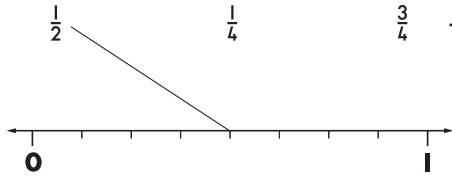
Show how you work it out in the box.

21

25 Look at the number line.

Join each fraction to the correct place.

One is done for you.



You may read any of the words on this page, but **only** rephrase *join* and *correct place*.

**Do not** read the fractions or help with the interpretation of the number line.

22

You may read any of the words in this question, but **do not** read the calculation.

26 Write the answer.

$$253 - 138 =$$

27 What number is half of **550**?

You may read any of the words or the number in this question.

23