## Ma

## KEY STAGE <br> 2

## LEVELS

3-5

## Mathematics tests Mark schemes

Test A, test B and mental mathematics test

## 2005



QCA

First published in 2005
© Qualifications and Curriculum Authority 2005
Reproduction, storage, adaptation or translation, in any form or by any means, of this publication is prohibited without prior written permission of the publisher, unless within the terms of licences issued by the Copyright Licensing Agency. Excerpts may be reproduced for the purpose of research, private study, criticism or review, or by educational institutions solely for educational purposes, without permission, provided full acknowledgement is given.

Produced in Great Britain by the Qualifications and Curriculum Authority under the authority and superintendence of the Controller of Her Majesty's Stationery Office and Queen's Printer of Acts of Parliament.

The Qualifications and Curriculum Authority is an exempt charity under Schedule 2 of the Charities Act 1993.

Qualifications and Curriculum Authority
83 Piccadilly
London
W1J 8QA
www.qca.org.uk/

## Marking the mathematics tests

As in 2004, external markers, employed by the external marking agencies under contract to QCA, will mark the test papers. The markers will follow the mark schemes in this booklet, which is supplied to teachers for information.

This booklet contains the mark schemes for the levels 3-5 tests A, B and mental mathematics. Level threshold tables will be available on the QCA website on 20 June 2005 (www.qca.org.uk/).

## General guidance

## The structure of the mark schemes

The marking information for each question is set out in the form of tables, which start on page 6 of this booklet. The 'question' column on the left-hand side of each table provides a quick reference to the question number and the question part. The 'mark' column indicates the total number of marks available for each question part. On some occasions the symbol U1 may be shown in the mark column. The ' $U$ ' indicates that there is a 'Using and Applying Mathematics' element in the question. The number, 1, shows the number of marks attributed to using and applying mathematics in this question.

The 'requirement' column may include two types of information:

- a statement of the requirements for the award of each mark, with an indication of whether credit can be given for correct working;
- examples of some different types of correct response.

The 'additional guidance' column indicates alternative acceptable responses, and provides details of specific types of response which are unacceptable. Other guidance, such as the range of acceptable answers, is provided as necessary.

Additionally, for the mental mathematics test, general guidance on marking is given on page 18 , together with a 'quick reference' mark scheme.

## Applying the mark schemes

In order to ensure consistency of marking, the most frequent procedural queries are listed on pages 2 and 3 with the action the marker will take. This is followed by further guidance on pages 4 and 5 relating to the marking of questions that involve money, time and other measures. Unless otherwise specified in the mark scheme, markers will apply the following guidelines in all cases.

## What if ...

The child's response is numerically or algebraically equivalent to the answer in the mark scheme.

The child's response does not match closely any of the examples given.

The child has responded in a non-standard way.

There appears to be a misreading affecting the working.

No answer is given in the expected place, but the correct answer is given elsewhere.

The response in the answer box is wrong, but the correct answer is shown in the working.

Markers will award the mark unless the mark scheme states otherwise.

Markers will use their judgement in deciding whether the response corresponds with the statement of the requirements given in the 'requirement' column. Reference will also be made to the additional guidance and, if there is still uncertainty, markers will contact the supervising marker.

Calculations, formulae and written responses do not have to be set out in any particular format. Children may provide evidence in any form as long as its meaning can be understood. Diagrams, symbols or words are acceptable for explanations or for indicating a response. Any correct method of setting out working, however idiosyncratic, will be accepted.

This is when the child misreads the information given in the question and uses different information without altering the original intention or difficulty level of the question. For each misread that occurs, one mark only will be deducted.
In one-mark questions - 0 marks are awarded.
In two-mark questions that have a method mark -1 mark will be awarded if the correct method is correctly implemented with the misread numbers.

Where a child has shown understanding of the question, the mark(s) will be given. In particular, where a word or number response is expected, a child may meet the requirement by annotating a graph or labelling a diagram elsewhere in the question.

Where appropriate, detailed guidance will be given in the mark scheme, which markers will follow. If no guidance is given, markers will examine each case to decide whether:

- the incorrect answer is due to a transcription error;
- the child has continued to give redundant extra working which does not contradict work already done;
- the child has continued to give redundant extra working which does contradict work already done.
If so, the mark will be awarded.
If so, the mark will be awarded.
If so, the mark will not be awarded.

What if ...

The child's answer is correct but the wrong working is shown.

The correct response has been crossed out and not replaced.

More than one answer is given.

The answer is correct but, in a later part of the question, the child has contradicted this response.

The child has drawn lines which do not meet at the correct point.

## Marking procedure

A correct response will always be marked as correct.

Any legible crossed-out work that has not been replaced will be marked according to the mark scheme. If the work is replaced, then crossed-out work will not be considered.

If all answers are correct (or a range of answers is given, all of which are correct), the mark will be awarded unless prohibited by the mark scheme. If both correct and incorrect responses are given, no mark will be awarded.

A mark given for one part will not be disallowed for working or answers given in a different part, unless the mark scheme specifically states otherwise.

Markers will interpret the phrase 'slight inaccuracies in drawing' to mean 'within or on a circle of radius 2 mm with centre at the correct point'.

within the circle accepted

on the circle accepted

outside the circle not accepted

## Recording marks awarded on the test paper

In the shaded margin there is a mark box for each question part. For the written tests, the number of marks gained on each double page will be written in the total box at the bottom of the right-hand page. For all of the tests, the total number of marks gained on each paper will be recorded on the front of the test paper, and on the mark sheet.

All questions in the tests, even those not attempted by the child, will be marked with a ' 1 ' or ' 0 ' entered in the mark box.

A two-mark question which is correct has ' 1 ' entered in both mark boxes.
A two-mark question which is incorrect, but which has sufficient evidence of working or method as required by the mark scheme, will have ' 1 ' entered in the first mark box and ' 0 ' in the second. Otherwise ' 0 ' will be entered in both mark boxes.

Test A carries a total of 40 marks. Test B also carries a total of 40 marks. The mental mathematics test carries a total of 20 marks.

The 2005 key stage 2 mathematics tests and mark schemes were developed by the Mathematics Test Development Team at QCA.

## Marking specific types of question - summary of additional guidance

Responses involving money

|  | Accept |
| :--- | :--- | :--- | :--- |

## Responses involving time

| A time interval for example: 2 hours 30 minutes | 2 hours 30 minutes |
| :---: | :---: |
|  | Any unambiguous indication, eg |
|  | $2 \frac{1}{2}$ hours |
|  | 2.5 hours |
|  | 2h 30 |
|  | 2h 30 min |
|  | Digital electronic time, ie $2: 30$ |
| A specific time for example: 8:40am, 17:20 | 8:40am |
|  | 8:40 |
|  | twenty to nine |
|  | Any unambiguous, correct indication, eg $08.40$ |
|  | 8.40 |
|  | 0840 |
|  | 840 |
|  | 8-40 |
|  | 8,40 |
|  | Unambiguous change to 12 or 24 hour clock, eg |
|  | 17:20 as 5:20pm or 17:20pm |

## Do not accept

Incorrect or ambiguous time interval, eg
2.30

2-30
2,30
2.3
2.3 hours
2.3h

2h 3
2.30 min

Incorrect time, eg
8.4am
8.40pm

Incorrect placement of separators, spaces,
etc or incorrect use or omission of 0, eg
840
8:4:0
8.4

084
84

## Responses involving measures

| Accept | Do not accept |
| :--- | :--- |
| 8.6 kg |  |
| Any unambiguous indication of the correct | Incorrect or ambiguous use of units, eg |
| measurement, eg | 8600 kg |
| 8.60 kg |  |
| 8.6000 kg |  |
| 8 kg 600 g |  |

## Note

If a child leaves the answer box empty but writes the answer elsewhere on the page, then that answer must be consistent with the units given in the answer box and the conditions listed above.

If a child changes the unit given in the answer box, then their answer must be equivalent to the correct answer using the unit they have chosen, unless otherwise indicated in the mark scheme.

Test A questions 1-3

## Mark <br> Up to 2m


If the answer is incorrect, award ONE mark for three correct lines drawn AND not more than one incorrect line drawn.
One of the following triples:

| $11,12,17$ | $13,18,19$ |
| :--- | :--- |
| $11,13,16$ | $14,17,19$ |
| $11,14,15$ | $15,16,19$ |
| $12,13,15$ | $15,17,18$ |


Vertical axis completed correctly.
Horizontal axis completed correctly.

Additional guidance
Do not award any marks if two or more incorrect lines are drawn.

Lines need not touch the boxes, provided the intention is clear.

Accept alternative unambiguous indications, eg ticks, crosses.

Do not award the mark if fewer or more than three numbers are circled.


Test A questions 4-9

\begin{tabular}{|c|c|c|}
\hline Question \& Requirement \& Mark <br>
\hline $4 a$ \& 30 minutes \& $1 m$ <br>
\hline 4b \& 9:25 am \& $1 m$ <br>
\hline 5 \& 14 \& $1 m$ <br>
\hline $6 a$ \& B AND D \& $1 m$ <br>
\hline 6b \& C AND E \& $1 m$ <br>
\hline $7 a$

$7 b$ \& | Award TWO marks for the correct answer of $£ 4.10$ OR 410p |
| :--- |
| If the answer is incorrect, award ONE mark for evidence of appropriate working, eg $\begin{aligned} & 4 \times 60=240 \\ & 2 \times 85=170 \\ & 240+170=\text { wrong answer } \\ & £ 3.00 \end{aligned}$ | \& | Up to 2m |
| :--- |
| $1 m$ | <br>

\hline 8 \& 1614 \& $1 m$ <br>

\hline 9 \& | Award TWO marks for all five numbers in any order as shown: $624,642,646,662,664$ |
| :--- |
| If the answer is incorrect, award ONE mark for: |
| - four out of five numbers correct and none incorrect |
| OR |
| - five numbers correct and only one incorrect. | \& | Up to 2m |
| :--- |
| (U1) | <br>

\hline
\end{tabular}

Additional guidance
The answer is a time interval (see page 5 for guidance).

The answer is a specific time (see page 5 for guidance).

Both letters must be given. Letters may be given in either order.

Both letters must be given.
Letters may be given in either order.

Accept for ONE mark $£ 410$ OR £410p as evidence of appropriate working.

Calculation must be performed for the award of ONE mark.

Ignore 626 or repeats of the five correct responses.

For ONE mark, ignore four-digit numbers.

Test A questions 10-13


Additional guidance
Accept alternative unambiguous indications such as circling or a line joining the correct pair of cards.

Accept equivalent fractions.

Accept slight inaccuracies in drawing (see page 3 for guidance).

Do not accept lines drawn outside of the grid.

Ignore line of symmetry if drawn.

## Question

14


17b

Award TWO marks for diagrams ticked or crossed as shown:


If the answer is incorrect, award ONE mark for three diagrams ticked or crossed correctly.

Answer in the range 126 mm to 128 mm inclusive.

## Requirement

An explanation which recognises that the numbers of odd and even cards are not equal, eg

- 'Because there are more odds than evens';
- 'Because there are fewer evens than odds';
- 'Because Sapna scores on more than half of the cards';
- 'Because there are only three even numbers';
- 'Because Josh has 3 cards and Sapna has 4 cards';
- 'Because Sapna has more chances'.

Answer in the range 104 to 106 inclusive.

5

Answer in the range 21 degrees to 23 degrees inclusive.

## Mark

$1 m$


Accept alternative unambiguous indications such as $\boldsymbol{Y}$ or $\boldsymbol{N}$.

For TWO marks accept:


Additional guidance
No mark is awarded for circling 'No' alone.

Do not accept vague or arbitrary explanations, eg

- 'Because fair means half the time';
- 'Because there are 7 cards';
- 'Because there is an odd number of cards';
- 'Because the game is unfair';
- 'Because Sapna will always win'.

If 'Yes' is circled but a correct, unambiguous explanation is given, then award the mark.
(


| Question | Requirement |
| :---: | :---: |
| 18 | Award TWO marks for boxes ticked and crossed as shown: $\square$ <br> $\checkmark$ $\square$ <br> $\checkmark$ <br> If the answer is incorrect, award ONE mark for any three boxes correctly completed. |
| 19 | 36 AND 9 |
| 20 | Award TWO marks for the correct answer of 5291 <br> If the answer is incorrect, award ONE mark for evidence of appropriate working which contains no more than ONE arithmetical error, eg <br> - long multiplication algorithm such as $\begin{array}{r} 143 \\ \times \quad 37 \\ \hline 1001 \\ 4290 \\ \hline \end{array}$ <br> wrong answer <br> - grid method <br> = wrong answer <br> - decomposition methods, eg $\begin{aligned} & 143 \times 40=5720 \\ & 143 \times 3=429 \\ & 5720-429=\text { wrong answer } \end{aligned}$ |


| Mark | Additional guidance |
| :---: | :---: |
| $\begin{gathered} \text { Up to } \\ 2 m \end{gathered}$ | Accept alternative unambiguous indications such as $\boldsymbol{Y}$ or $\boldsymbol{N}$. <br> For TWO marks, accept: $\square$ $\square$ $\square$ $\square$ |
| $1 m$ | Numbers may be given in either order. |
| $\begin{aligned} & \text { Up to } \\ & 2 m \end{aligned}$ | In all cases accept follow through of ONE error in working. <br> Do not award any marks if: <br> - the error is in the place value, eg the omission of the zero when multiplying by three tens, <br> 1001 <br> $+429$ <br> - the final (answer) line of digits is missing. <br> Variations on algorithms are acceptable, provided they represent viable and complete methods. <br> Calculation must be performed for the award of ONE mark. |

Test A questions 21-24

| Question | Requirement |
| :---: | :---: |
| 21 | Award TWO marks for boxes ticked and crossed as shown: $\square$ <br> $x$ $\square$ $\square$ <br> If the answer is incorrect, award ONE mark for any three boxes correctly completed. |
| 22 | $\frac{3}{5}$ $\frac{3}{4}$ $\frac{17}{20}$ |
| 23 | Award TWO marks for the correct answer as shown: $A=-80 \quad B=60$ <br> If the answer is incorrect, award ONE mark for evidence of appropriate working, eg $140 \div 7=20$ |
| 24 | Award TWO marks for the correct answer of 42 <br> If the answer is incorrect, award ONE mark for evidence of appropriate working, eg $\begin{aligned} & 18-10=8 \\ & 10+(4 \times 8)=\text { wrong answer } \end{aligned}$ <br> OR <br> 10, 18, 26, 34, wrong answer |



Test B questions 1-3

Question
1

2

3

Requirement
Amounts written in correct order as shown:

| $£ 0.75$ | $99 p$ | $£ 2.05$ |
| :--- | :--- | :--- |

Three numbers circled as shown:


The correct shape ticked as follows:


Mark
$1 m$
$1 m$
Do not award the mark if additional incorrect numbers are circled.

Accept unambiguous alternatives, eg numbers ticked, crossed or underlined.

Accept alternative unambiguous indications of the correct shape, eg shape circled.

Test B questions 4-8

| Question | Requiren |  |  | Mark | Additional guidance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $4 a$ | If the answer is incorrect, award ONE mark for evidence of appropriate method, eg$78+\left(\frac{1}{2} \times 1.20\right)$ |  |  | $\begin{aligned} & \text { Up to } \\ & 2 m \end{aligned}$ | Accept for ONE mark f138p OR $£ 138$ as evidence of an appropriate method. <br> Answer need not be obtained for the award of ONE mark. |
| 4b | 6 |  |  | $1 m$ |  |
| 5 | Diagram completed as show |  |  | $1 m$ | Accept slight inaccuracies in drawing (see page 3 for guidance). |
| $6 a$ |  | $8=2$ |  | $1 m$ |  |
| $6 b$ | 5 |  |  | $1 m$ |  |
| 7 | Award TwO marks for table completed correctly as shown: |  |  | $\begin{aligned} & \text { Up to } \\ & 2 m \end{aligned}$ | Accept a blank box for ' 0 '. |
|  |  | number of flat surfaces | number of <br> curved surfaces |  |  |
|  | sphere | 0 | 1 |  |  |
|  | cone | 1 | 1 |  |  |
|  | cuboid | 6 | 0 |  |  |
|  | cylinder | 2 | 1 |  |  |
|  | If the answer is incorrect, award ONE mark for two out of three rows completed correctly. |  |  |  |  |
| 83 | Answer in the range 340 to 360 inclusive. |  |  | $1 m$ |  |
| $8 b$ | Answer in the range 240 to 260 inclusive. |  |  | $1 m$ |  |

## Requirement

955 in first box.
1010 in second box.
Accept for TWO marks any arrangement using one of the following sets of eight numbers:
$1,1,1,2,2,2,3,3$

## OR

1, 1, 1, 1, 2, 2, 2, 2
eg

If the answer is incorrect, award ONE mark for an arrangement such that:

- the number of 1 s and 2 s is equal
OR
- the number of 3 s is less than the number of $2 s$ AND the number of 3 s is less than the number of 1 s .

| 29 |
| :--- |
| 12 |


$(0,10)$
$(10,20)$

## Mark

$1 m$
$1 m$
Up to
$2 m$
U1)
$1 m$
$1 m$
$1 m$
(U1)
$1 m$
$1 m$
$1 m$

Additional guidance


Numbers may be written in any order.

Do not accept answers that leave sections blank or include numbers other than 1, 2 or 3.

Shape need not be completed accurately, provided the two correct triangles are identified unambiguously.

Coordinates must be written in the correct order.

Accept unambiguous answers written on the diagram.

If the answer for 15 a is $(10,0)$ AND the answer to 15 b is $(20,10)$, award ONE mark only, in the 15b box.
Question

16


17
$18 b$

Requirement
Award TWO marks for all four factors, as shown:
1, 2, 5, 10

If the answer is incorrect, award ONE mark for:

- three factors correct and none incorrect


## OR

- four factors correct and one incorrect.


Answer in the range 14 to 16 inclusive.

An explanation which recognises that the bar for tomato is shorter than the other two bars added together, eg

- 'Because there are 300 children altogether and only 135 chose tomato';
- 'Because 165 is more than 135';
- 'Because double 135 is 270 and there are more children than that altogether';
- 'Because half of 300 is 150 ';
- 'Because tomato is less than mushroom add chicken'.

Mark
Up to 2m
(
$1 m$
(U1)

Additional guidance
Accept factors written in any order.
All four factors and no incorrect numbers must be given for the award of TWO marks.

## Accept 32

No mark is awarded for writing 'No' alone.

Do not accept vague or arbitrary explanations, eg

- 'Because most of the children chose tomato';
- 'Because 135 children chose tomato';
- 'Because $75+135+90=300$ '.

If 'Yes' is circled but a correct, unambiguous explanation is given then award the mark.

Test B questions 19-21

| Question | Requirement | Mark | Additional guidance |
| :---: | :---: | :---: | :---: |
| 19 | Award TWO marks for the correct answer of 8 <br> If the answer is incorrect, award ONE mark for evidence of an appropriate method, eg $\begin{aligned} & 1+2+3=6 \\ & 24 \div 6=4 \\ & 4 \times 2 \end{aligned}$ <br> OR <br> 6 fruits 2 oranges <br> 12 fruits 4 oranges <br> 18 fruits 6 oranges <br> 24 fruits wrong answer | $\begin{aligned} & \text { Up to } \\ & 2 m \end{aligned}$ | Answer need not be obtained for the award of ONE mark. |
| 20 | 7.4 and 9.4 | $1 m$ U1 | Accept numbers in either order. <br> Both numbers must be correct for the award of the mark. |
| 21 | $x=35^{\circ}$ | $1 m$ |  |

Test B questions 22-25

| Question | Requirement |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 22 | Award TWO marks for all seven boxes completed correctly as shown: |  |  |  |
|  |  | hockey | rounders | Total |
|  | boys | 22 | 28 | 50 |
|  | girls | 27 | 26 | 53 |
|  | Total | 49 | 54 | 103 |
|  | If the answer is incorrect, award ONE mark for five or six boxes completed correctly. |  |  |  |
| 23a | $\begin{aligned} & 18 \\ & 200 \end{aligned}$ |  |  |  |
| 236 |  |  |  |  |
| 24 | Award TWO marks for the correct answer of 26.8 cm <br> If the answer is incorrect, award ONE mark for evidence of an appropriate method, eg <br> - $85 \div 2-15.7$ <br> OR <br> - $85-(15.7 \times 2)=$ wrong answer wrong answer $\div 2$ <br> OR <br> - $85-(15.7 \times 2)=53.6$ |  |  |  |
| 25 | Award TWO marks for the correct answer of 0.15 <br> If the answer is incorrect, award ONE mark for evidence of appropriate method, eg $\begin{aligned} & 45-12=33 \\ & 33 \div 220 \end{aligned}$ |  |  |  |


| Mark | Additional guidance |
| :---: | :---: |
| Up to 2m <br> (U1) |  |
| $\begin{aligned} & 1 m \\ & 1 m \end{aligned}$ | Do not accept 18\% <br> Do not accept 200\% <br> If the answer for 23a is 18\% AND the answer for 23 b is 200\%, award ONE mark only in the 23b box. |
| Up to 2m | Award ONE mark for an answer of 53.6 OR for 53.6 shown with no evidence of an incorrect method. <br> Answer need not be obtained for the award of ONE mark. |
| Up to 2m | Accept equivalent fractions, eg $\frac{3}{20}$ <br> Accept for ONE mark 0.015 OR 15 OR 1.5 OR 150 as evidence of appropriate method. <br> Answer need not be obtained for the award of ONE mark. |

# Mark scheme for the mental mathematics test 

## Applying the mark scheme

Please note that children will not be penalised if they record any information given in the question or show their working. Markers will ignore any annotation, even if in the answer space, and mark only the answer. Markers will accept an unambiguous answer written in the stimulus box, or elsewhere on the page.

Full mark scheme information is given on page 20. In addition, a 'quick reference' mark scheme is provided on page 19. This is presented in a similar format to the children's answer sheet.

## General guidance

The general guidance for marking the written tests also applies to marking the mental mathematics test. In addition, the following principles apply.

1. Unless stated otherwise in the mark scheme, accept answers written in words, or a combination of words and figures.
2. Where units are specified, they are given on the answer sheet. Children are not penalised for writing in the units again.
3. Where answers are required to be ringed, do not accept if more than one answer is ringed, unless it is clear which is the child's intended answer. Accept also any other way of indicating the correct answer, eg underlining.

## Mental mathematics 2005 quick reference mark scheme

## Practice question



Time: 5 seconds

| 1 | 68 |
| :--- | :--- |
| 2 | 79 |
| 2 | 36 |


| 4 | 70 | $\%$ | Do not accept 0.7, <br> $\frac{7}{10}$ or equivalent |
| :---: | :---: | :---: | :---: |


| 5 | $\mathbf{5 0 0 0 0 0}$ | Words not <br> acceptable |
| :--- | :--- | :--- |

Time: 10 seconds

| 6 | $2^{\circ} \mathrm{C}$ | $-5^{\circ} \mathrm{C}$ | $5^{\circ} \mathrm{C}$ |
| :--- | :--- | :--- | :--- |
|  | $0^{\circ} \mathrm{C}$ | $-1{ }^{\circ} \mathrm{C}$ |  |


| 7 | 50 cm |
| :--- | :--- |


| $\mathbf{8}$ | $\mathbf{2}$ | Accept 5 r2 or <br> remainder 2 |
| :--- | :--- | :--- |


| 9 | Prices |  |
| :---: | :---: | :---: |
|  | pen | £1.20 |
|  | ruler | £0.75 |
|  | pencil | £0.55 |
|  |  |  |



Time: 15 seconds


Mental mathematics questions 1-20

| Question | Requirement | Mark | Additional guidance |
| :---: | :---: | :---: | :---: |
| 1 | 68 | $1 m$ |  |
| 2 | 79 | $1 m$ |  |
| 3 | 36 | $1 m$ |  |
| 4 | 70\% | $1 m$ | Do not accept 0.7 OR $\frac{7}{10}$ OR equivalent fractions. |
| 5 | 500000 | $1 m$ | Words not acceptable. |
| 6 | $\begin{array}{lll} 2^{\circ} \mathrm{C} & -5^{\circ} \mathrm{C} & 5^{\circ} \mathrm{C} \\ & 0^{\circ} \mathrm{C} & -1^{\circ} \mathrm{C} \end{array}$ | $1 m$ | Accept any other way of indicating the answer, eg underlining. <br> Do not accept if more than one answer is indicated unless the child's intention is clear. |
| 7 | 50 cm | $1 m$ |  |
| 8 | 2 | $1 m$ | Accept 5 remainder 2 <br> Accept remainder 2 |
| 9 | 65p | $1 m$ |  |
| 10 | 1.2 | $1 m$ | Accept equivalent fractions. |
| 11 | $4 p$ | $1 m$ |  |
| 12 | Answer in the range 40 to 50 degrees inclusive. | $1 m$ |  |
| 13 | 500 | $1 m$ |  |
| 14 | 1250 ml | $1 m$ |  |
| 15 | 12000 | $1 m$ |  |
| 16 | 71 | $1 m$ |  |
| 17 | 60p | $1 m$ |  |
| 18 | 1.15 | $1 m$ | Accept equivalent fractions. |
| 19 | 3 AND 8 | $1 m$ | Answers may be written in either order. |
| 20 | 273 | $1 m$ |  |

## NATIONAL

CURRICULUM
5-16

GCSE

GNVQ

GCE A LEVEL

NVQ

OTHER
VOCATIONAL
QUALIFICATIONS

## For more information, contact:

QCA key stage 2 team, 83 Piccadilly, London W1J 8QA

## For more copies, contact:

QCA Publications, PO Box 29, Norwich NR3 1GN
(telephone 08700 606015; fax 08700 606017)

