

# Maths Mark scheme

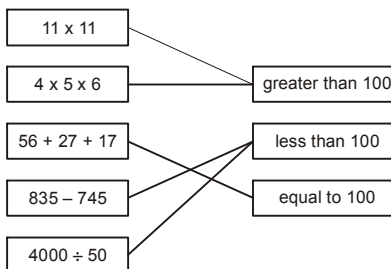
## Test B

**2006**  
0 min  
0 marks

1. (a) 4 1  
(b) 599 1

**[2]**

2. Award **TWO** marks for the four lines drawn as shown: up to 2



If the answer is incorrect, award **ONE** mark for three correct lines drawn **AND** not more than one incorrect line drawn.

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

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

**[2]**

3. (a) 5 1  
(b) 2 1

**[2]**

4.  $\boxed{9} \boxed{1} + \boxed{9} \boxed{1} + \boxed{1} \boxed{9} = 201$  1  
**OR** U1  
 $\boxed{9} \boxed{9} + \boxed{9} \boxed{1} + \boxed{1} \boxed{1} = 201$  Accept the three two-digit numbers written in any order.

**[1]**

5. 125 1

[1]

6. (a) £10.51 1  
 (b) Award **TWO** marks for the correct answer of £2.26 up to 2

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

$$34.99 + 12.75 = 47.74$$

$$50 - 47.74$$

**OR**

$$50 - 12.75 - 34.99$$

*Accept for **ONE** mark £226 **OR** £226p as evidence of appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

[3]

7.

✘	✓
✓	✓
✓	✘
✘	✓

*Accept alternative unambiguous indications such as **Y** and **N**.*

- (a) First column of table completed correctly. 1  
 (b) Second column of table completed correctly. 1

[2]

8. (a) £14.40 1

*Do **not** accept £14.4*

- (b) 20 1

*Do **not** accept £20*

[2]

9. (5, 2) 1

*Coordinates must be written in the correct order.*

*Accept unambiguous answers written on the diagram.*

[1]

10. Numbers circled as shown: 1
- 30 40 50 (60) (70)
- Accept alternative unambiguous indications,  
eg numbers ticked, crossed or underlined.*
- [1]
11. Answer in the range 65 to 75 inclusive. 1
- [1]
12. 

1
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5
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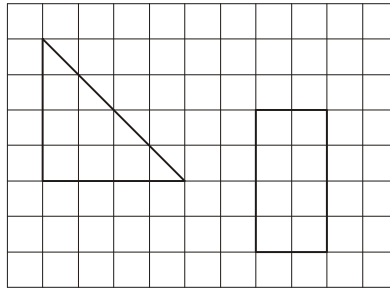
9
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13
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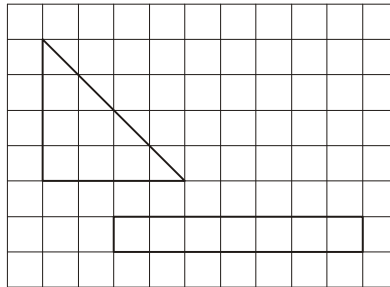
 1
- [1]
13. Any odd numbered multiple of 10, ie 10 **OR** 30 **OR** 50 **OR** 70 **OR** 90 **OR** any number ending with any of the pairs of digits above. 1
- An explanation which recognises that all multiples of 20 are also multiples of 10, eg: 1
- U1
- ‘Because all the numbers in the 20 times table are also in the 10 times table’
  - ‘Because all multiples of 20 are multiples of 10’
  - ‘Because 20 is in the 10 times table’
  - ‘All multiples of 20 go in box A because 10 goes into them’
  - ‘20 is a multiple of both 20 and 10, and so is 40, 60, etc’
  - ‘Because if it’s not a multiple of 10, it can’t be a multiple of 20’
  - ‘Because if it is a multiple of 20, it has to be a multiple of 10’
  - ‘Because 10 is a factor of 20’.
- Do not** accept vague or arbitrary explanations, eg:*
- ‘Because 40 is a multiple of 10’
  - ‘Because they would be in box A instead’
  - ‘Because all the multiples of 10 are multiples of 20’
  - ‘Because 10 is a multiple of 20’.
- [2]
14. £11.25 1
- [1]

15. Any rectangle with an area of 8 squares, eg

1



OR

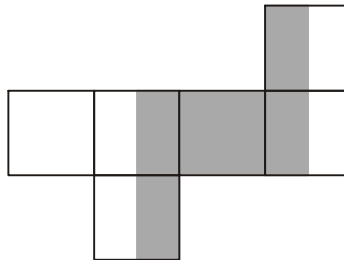


*Accept slight inaccuracies in drawing provided the intention is clear.*

[1]

16. Award **TWO** marks for four faces correctly shaded as shown:

up to 2  
U1



If the answer is incorrect, award **ONE** mark for:

- only the correct four faces marked **AND** at least two shaded correctly

OR

- four faces shaded correctly **AND** one shaded incorrectly

OR

- three faces shaded correctly **AND** none shaded incorrectly.

*The width of each shaded rectangle is irrelevant provided the intention is clear.*

[2]

17. Award **TWO** marks for the correct answer of 60 up to 2  
 If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg U1  
 $800 - 500 = 300$   
 $300 \div 5$   
*Answer need not be obtained for the award of **ONE** mark.* [2]
18. (a) Answer in the range 3:10pm to 3:20pm inclusive. 1  
 (b) Answer in the range 13 degrees to 14 degrees inclusive. 1  
*The answer is a specific time (see page 5 for guidance).* [2]
19. Award **TWO** marks for the correct answer of 30 up to 2  
 If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg  
 $45 \div 3 = 15$   
 $15 \times 2$   
*Answer need not be obtained for the award of **ONE** mark.* [2]
20. Award **TWO** marks for all three numbers in order as shown: up to 2  
 129  
**AND**  
 7492  
**AND**  
 51  
 If the answer is incorrect, award **ONE** mark for two out of three numbers correct.  
***Do not accept 129.0 OR 7492.0 OR 51.0 OR any other equivalent answers with zeroes after the decimal point.*** [2]
21. 40% 1  
***Do not accept equivalent fractions or decimals.*** [1]

22. (a) 400 1  
*Answer must be in grams.*

(b) 1200g **OR** 1.2 kg 1

**OR**

for finding the correct difference between 1.6 kg and the answer given for (a).

*Accept 1200 **OR** 1.2 **OR** 1kg 200g*

[2]

23. Two numbers circled as shown: 1

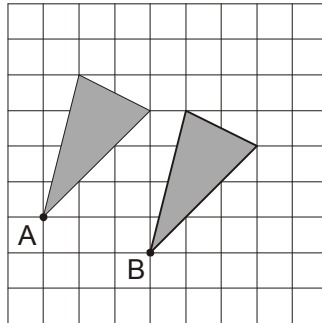
(29) 39 49 (59) 69

*Do **not** award the mark if additional incorrect numbers are circled.*

*Accept alternative unambiguous indications, eg numbers ticked, crossed or underlined.*

[1]

24. Diagram completed as shown: 1



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

[1]

25. Award **TWO** marks for the correct answer of 14 up to 2

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg U1

$$17.5 \times 4 = 70$$

$$70 \div 5$$

*Accept for **ONE** mark 140 **OR** 1.4 as evidence of appropriate method.*

*Answer need not be obtained for the award of **ONE** mark.*

[2]