MATHEMATICS

KEY STAGE 2 2000

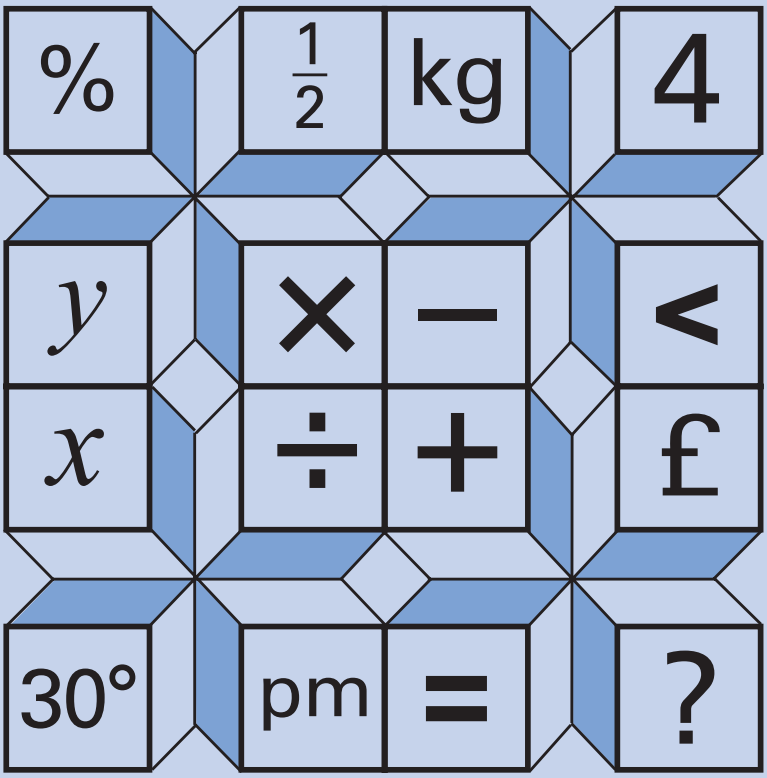
TEST B

LEVELS 3–5

CALCULATOR ALLOWED

PAGE	MARKS
2	
4	
6	
8	
10	
12	
14	
15	
TOTAL	

BORDERLINE CHECK	



First Name

Last Name

School

Instructions

You **may** use a calculator to answer any questions in this test.

Work as quickly and as carefully as you can.

You have **45 minutes** for this test.

If you cannot do one of the questions, **go on to the next one**.
You can come back to it later, if you have time.

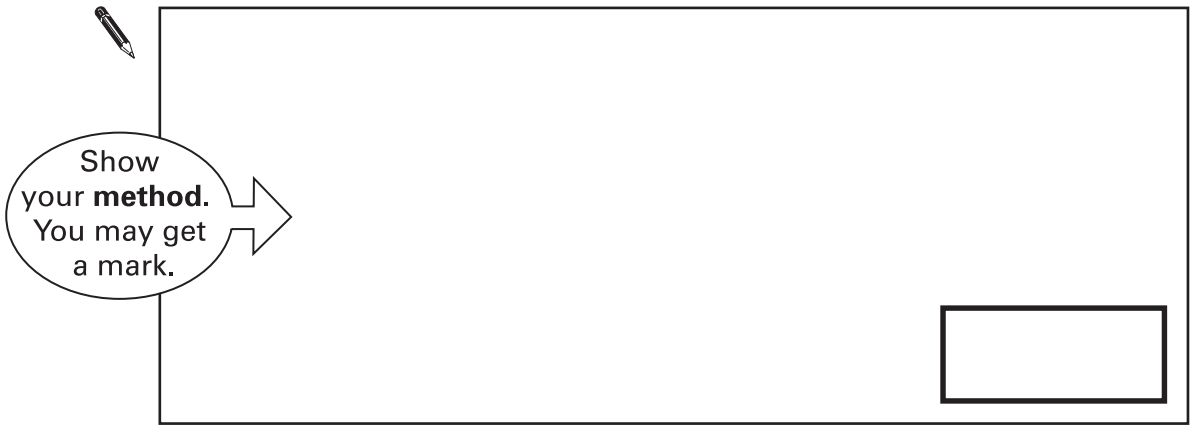
If you finish before the end, **go back and check your work**.

Follow the instructions for each question carefully.

This shows where you need to put the answer.

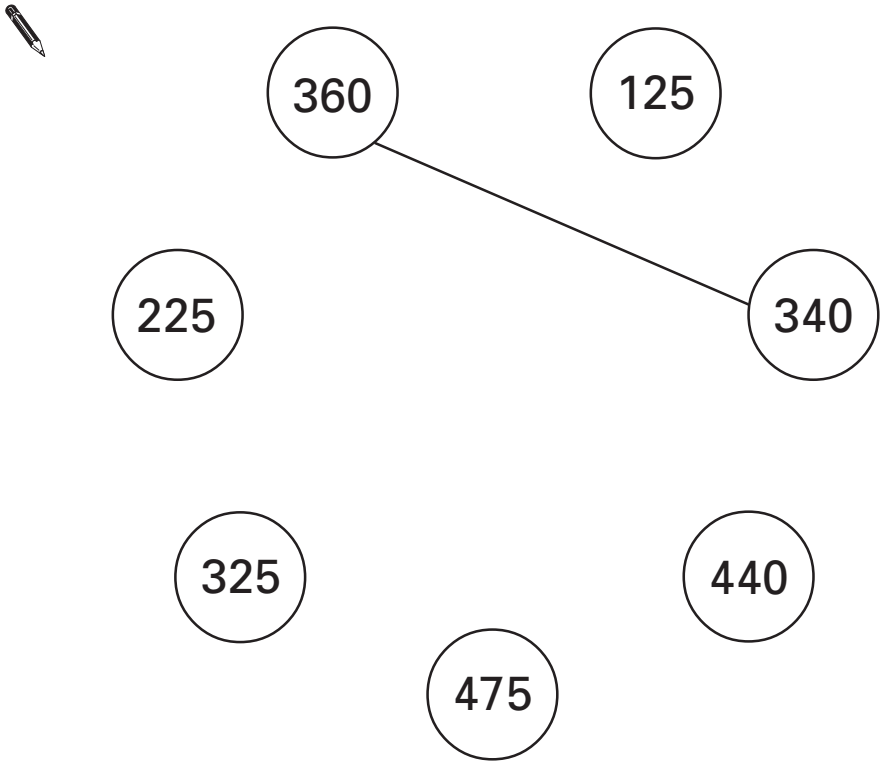
If you need to do working out, you can use any space on a page.

Some questions look like this:



For these questions you may get a mark for showing your method.

1 Draw a line to join two other numbers which have a **total** of **700**



1

1 mark

2 Circle the number which is **nearest in value to 750**

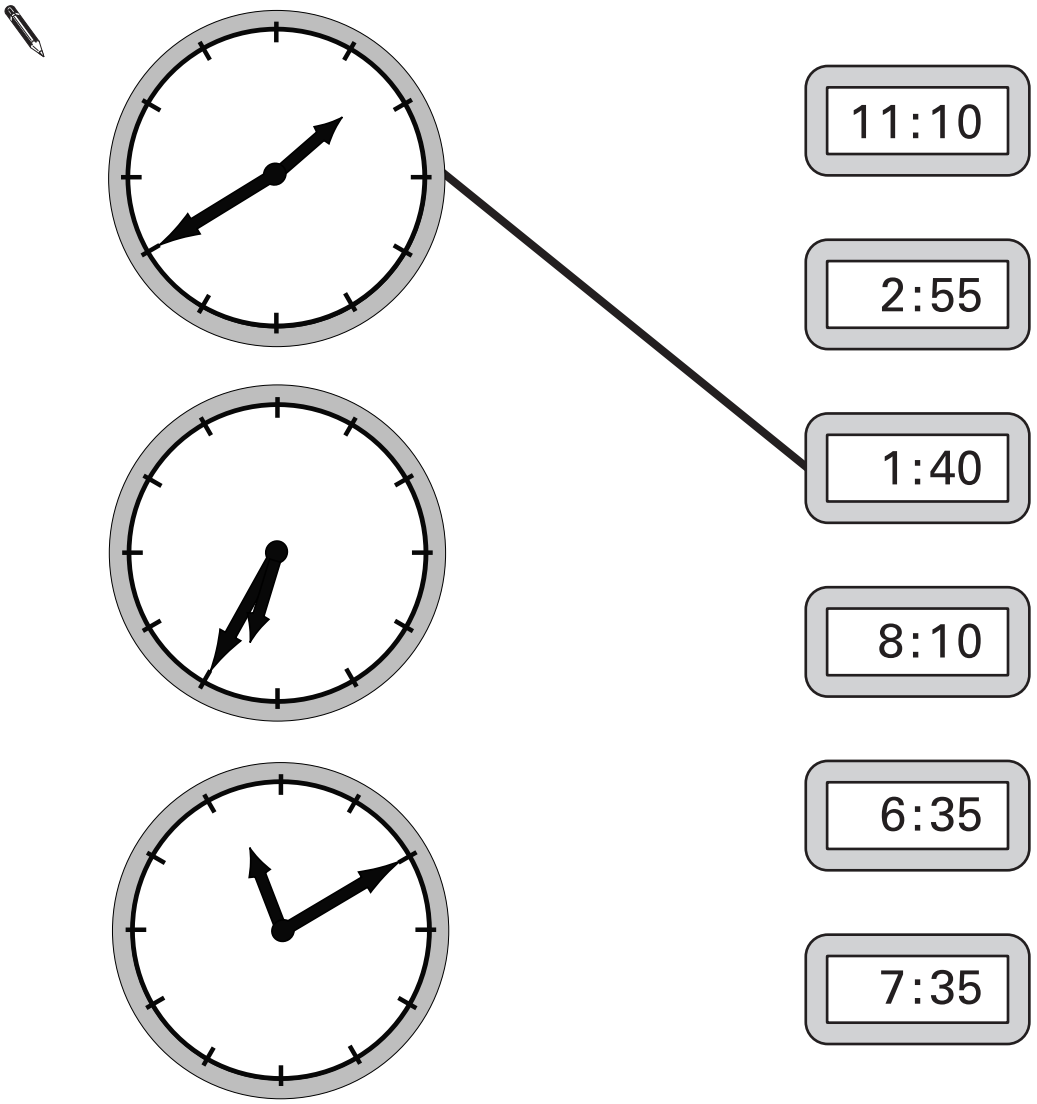
570 699 810 852 1050

2

1 mark

3 Here are three clock faces.

Match each clock face to the same time on a digital clock.



3a

1 mark

3b

1 mark

Total

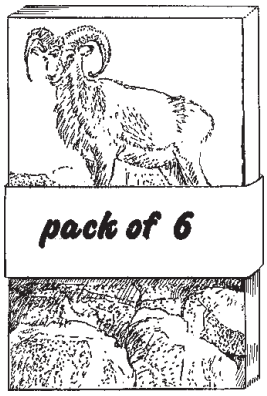
4 Write in the missing number.

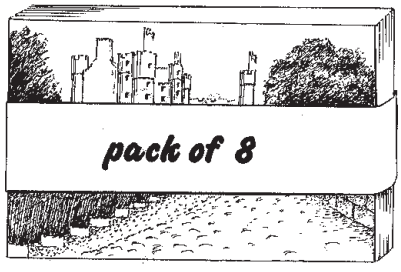
$$60 + 99 + \square = 340$$

4

1 mark

5 A shop sells postcards in **packs of 6** and **packs of 8.**





Alan bought **4 packs of 8 cards**.

How many cards did he get?

5a

1 mark

Shereen bought some **packs of 6 cards**.

Altogether she has **30 cards**.

How many **packs of 6** did she buy?

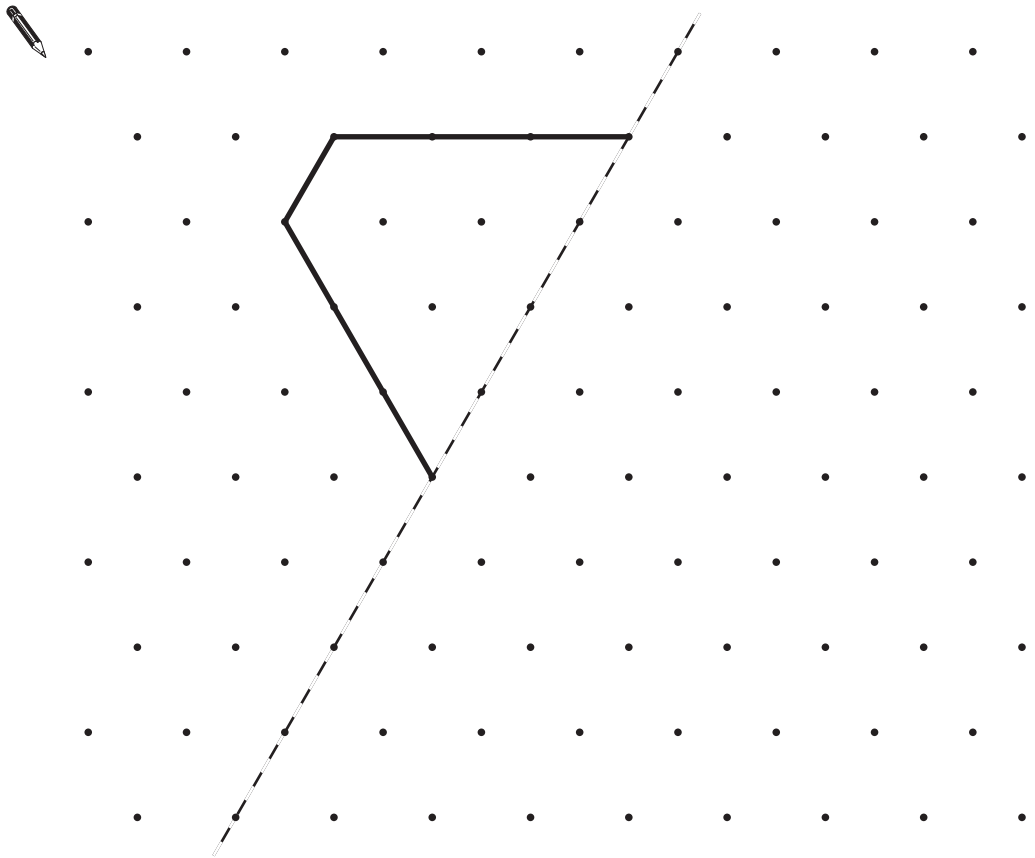
5b

1 mark

6 Draw the **reflection** of the shape in the **mirror line**.

Use a ruler.

You may use a mirror or tracing paper.



6

1 mark

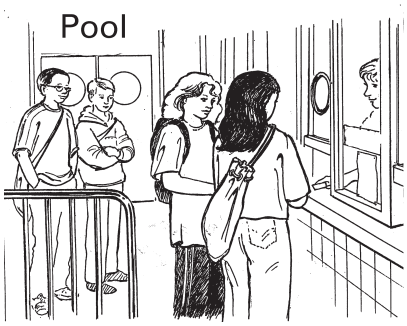
7 Write **two numbers**, each **greater than 100**, to complete this subtraction.

7

1 mark

Total

8



These are the opening times at a swimming pool.

	opening times		
	am		pm
Monday	Pool closed		
Tuesday			
Wednesday	10:30	to	5:30
Thursday	10:30	to	8:30
Friday	10:30	to	9:00
Saturday	8:00	to	6:00
Sunday	7:00	to	4:00

How many **hours** is the pool open on a **Sunday**?

hours

8a
1 mark

Which **day** has the **latest** closing time?

. . . . . .

8b
1 mark

Habib arrives at the pool at **5:20pm** on **Saturday**.

How many **minutes** is it before the pool closes?

minutes

8c
1 mark

9

Chris saves **50p** coins.

He has saved **45** of them.

How much money has Chris saved?

9a

1 mark

Michelle has saved **£8.40** in **20p** coins.

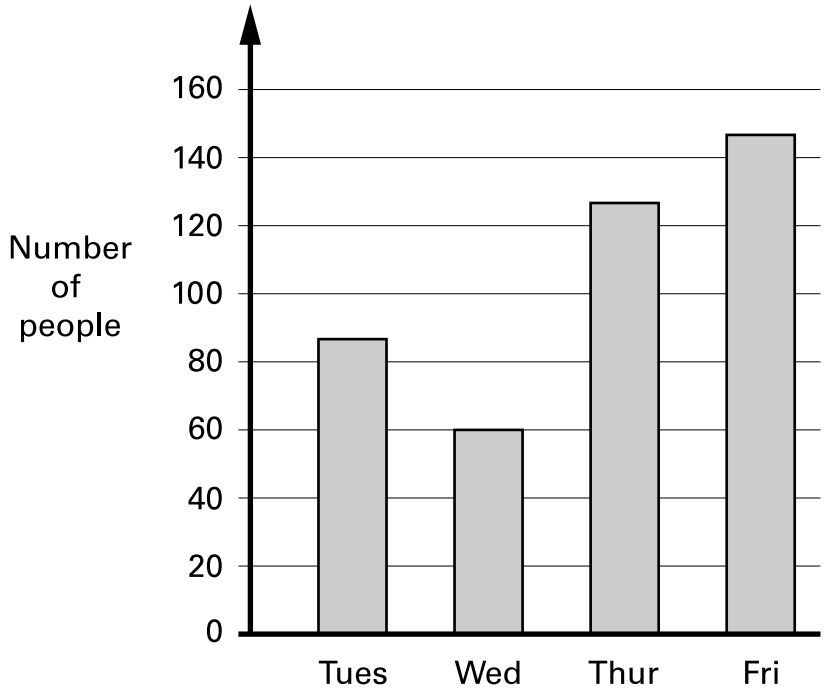
How many **20p coins** does Michelle have?

Show your **method.** You may get a mark.

9b

2 marks

10 This bar chart shows how many people went to a school play.



Estimate the number of people who went there on **Thursday** and **Friday** altogether.

10a
1 mark

Each person paid **£2.25** for a ticket to get in.

How much **ticket money** was collected on **Wednesday**?

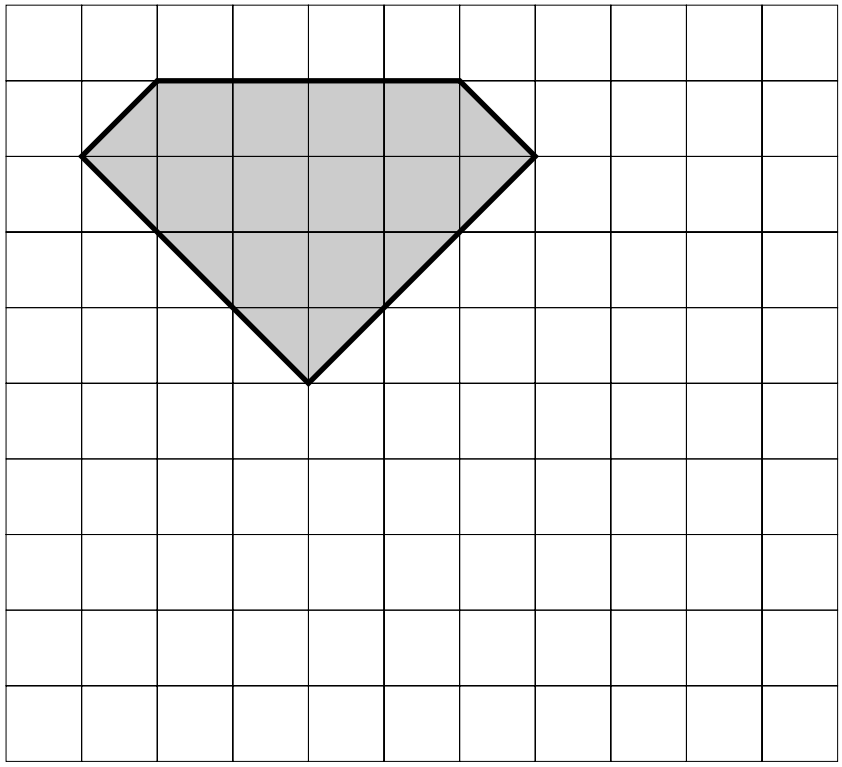
Show your **method.** You may get a mark.

£

10b
2 marks

11 On the grid, draw a **rectangle** which has the **same area** as this shaded pentagon.

Use a ruler.



11

1 mark

12 Nadia is working with **whole** numbers.

She says,

'If you add a two-digit number to a two-digit number you cannot get a four-digit number'.

Is she correct? Circle Yes or No. Yes / No

Explain why.

. . . . . .

. . . . . .

. . . . . .

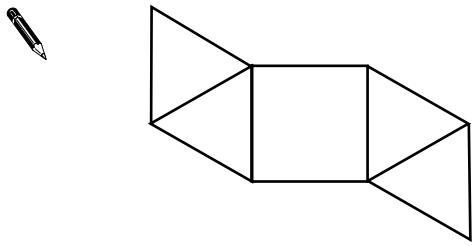
12

1 mark

Total

13 Look at each of these diagrams.

Put a tick (✓) if it is the **net of a square based pyramid**.
Put a cross (✘) if it is **not**.



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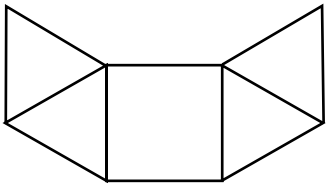

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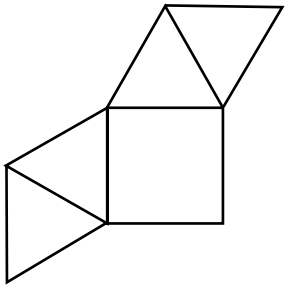

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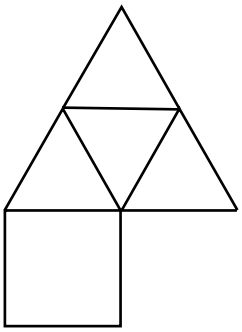
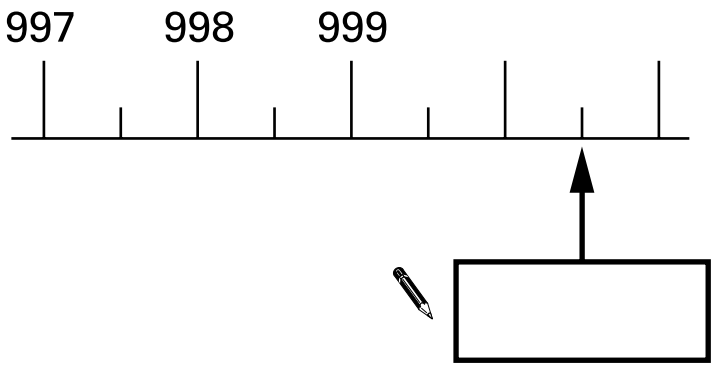


. . . . . .

13
2 marks

14 Here is part of a number line.

Write the number shown by the arrow.



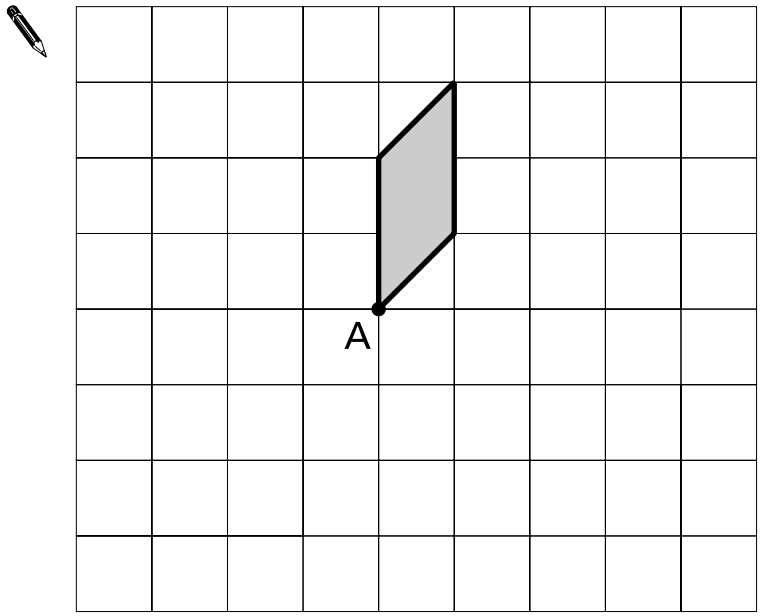
14
1 mark

15 Here is a shaded shape on a grid.

The shape is **rotated 90° clockwise** about point **A**.

Draw the shape in its **new position** on the grid.

You may use tracing paper.



15

2 marks

16 Calculate **60%** of **765**

16

1 mark

Total

17 Put a tick (✓) in the correct box for each calculation.

Use a calculator.

The first one has been done for you.

	less than 1000	equal to 1000	more than 1000
8.9 x 9.9 x 11.9			✓
(786 – 387) ÷ 0.41			
95.4 + (91 x 9.95)			
12.5 x (21.1 + 58.9)			

17

2 marks

18 n stands for a number.

Complete this table of values.

n	$5n - 2$
20	
	38

18a

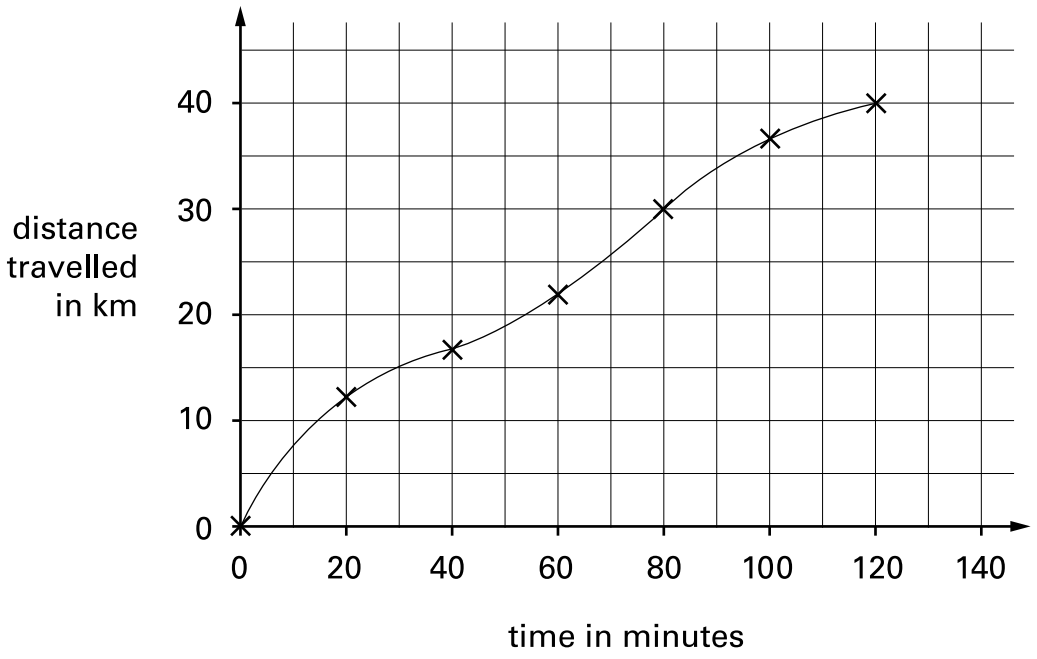
1 mark

18b

1 mark

19 Carol went on a **40-kilometre** cycle ride.

This is a graph of how far she had gone at different times.



How many minutes did Carol take to travel the **last 10 kilometres** of the ride?

minutes 19a

1 mark

Use the graph to estimate the distance travelled in the **first 20 minutes** of the ride.

km 19b

1 mark

Carol says,

'I travelled further in the first hour than in the second hour'.

Explain how the graph shows this.

. . . . . .

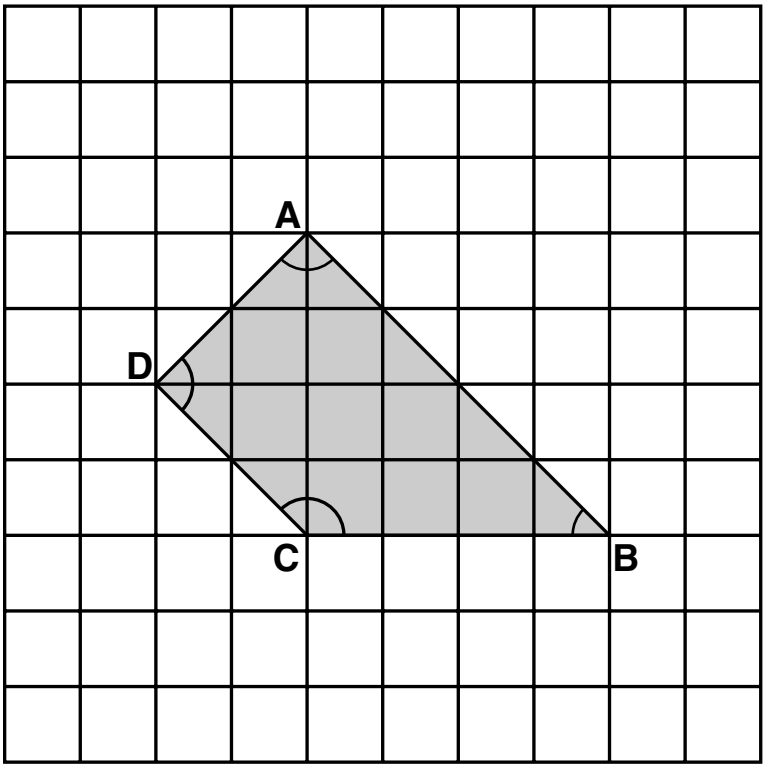
. . . . . .

. . . . . 19c

1 mark

Total

20 Here is a shape on a square grid.



For each sentence, put a tick (✓) if it is true.
Put a cross (✘) if it is not true.

Angle **C** is an **obtuse** angle. ☐

Angle **D** is an **acute** angle. ☐

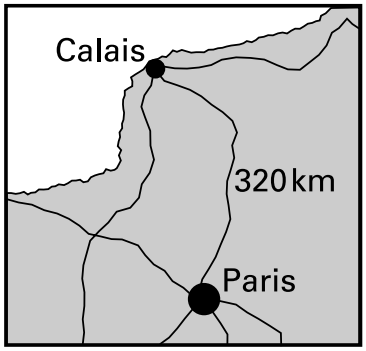
Line **AD** is **parallel** to line **BC**. ☐

Line **AB** is **perpendicular** to line **AD**. ☐

20

2 marks

21 Here is a map of part of France.



The map shows that the distance from Calais to Paris is **320 kilometres.**

5 miles is approximately **8 kilometres**.

Use these facts to calculate the approximate distance in **miles** from Calais to Paris.

Show your **method.** You may get a mark.

miles

21a

2 marks

Samira bought this present in France.

She paid **44.85 French Francs** for it.

9.75 French Francs equal **£1**

44.85 FF

What was the cost of the present in **pounds and pence**?

Show your **method.** You may get a mark.

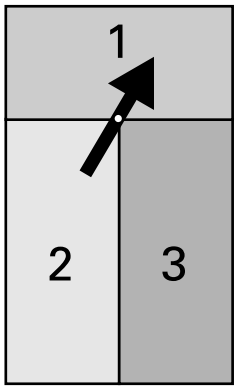
£

21b

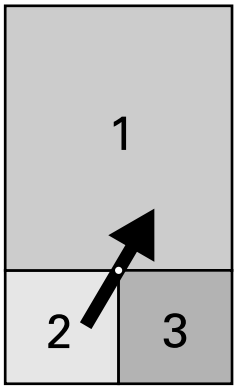
2 marks

Total

22 Katie made two spinners, **A** and **B**.



spinner A



spinner B

She says,

'Scoring a 1 on spinner A is just as likely as scoring a 1 on spinner B'.

Explain why Katie is correct.

. . . . . .

. . . . . .

. . . . . .

22

1 mark

Total

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