

Write your name here

Surname

Other names

Centre Number

Candidate Number

**Edexcel Award**

**Proficiency in Number and Measure**  
**Level 1**  
**Section A (Calculator)**

Thursday 10 May 2012 – Morning  
**Time: 1 hour**

Paper Reference  
**ANM10/1A**

**You must have:** Ruler graduated in centimetres and millimetres, protractor, pen, HB pencil, eraser, calculator.

Total Marks

### Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- **Calculators may be used.**



### Information

- The total mark for this section is 50
- The marks for **each** question are shown in brackets – *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

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Turn over ►

**PEARSON**

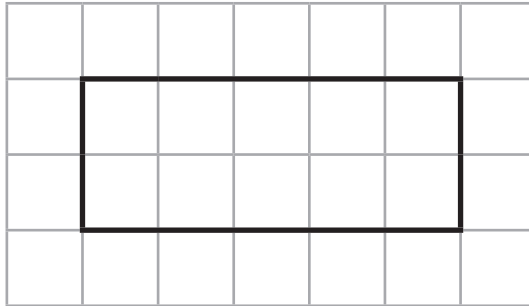
**Section A**

**Answer ALL questions.**

**Write your answers in the spaces provided.**

**You must write down all stages in your working.**

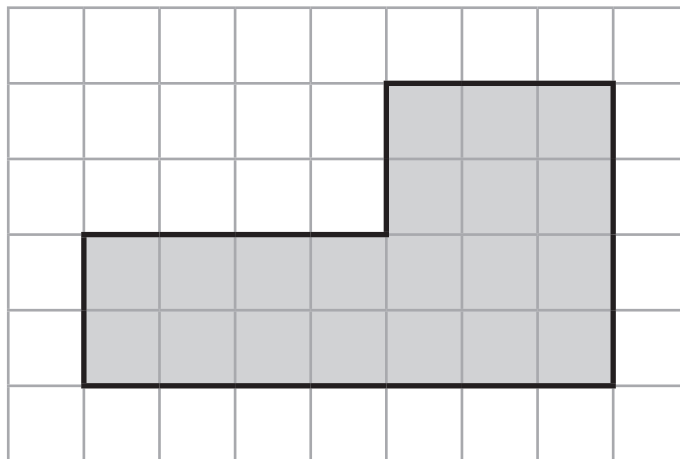
1 Here is a rectangle drawn on a grid of centimetre squares.



(a) Find the perimeter of the rectangle.

..... cm  
(2)

Here is a shaded shape drawn on a grid of centimetre squares.



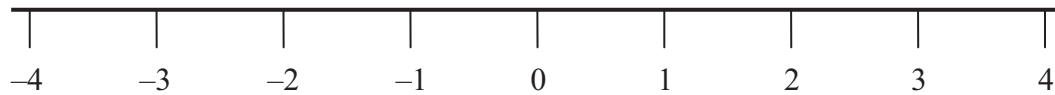
(b) Find the area of the shape.  
Write the unit for your answer.

.....  
(2)

**(Total for Question 1 is 4 marks)**



2 Here is a number line.



Use your number line to work out

(a)  $-2 + 3$

.....  
(1)

(b)  $3 - 5$

.....  
(1)

---

**(Total for Question 2 is 2 marks)**

3 Add

3 metres 20 centimetres
4 metres 30 centimetres
80 centimetres

.....  
**(Total for Question 3 is 2 marks)**



- 4 (a) Write these numbers in order of size.  
Start with the smallest number.

8    15    3    72    27

.....  
(1)

- (b) Write these numbers in order of size.  
Start with the smallest number.

6.2    2.6    6.6    0.93    6.0

.....  
(1)

**(Total for Question 4 is 2 marks)**

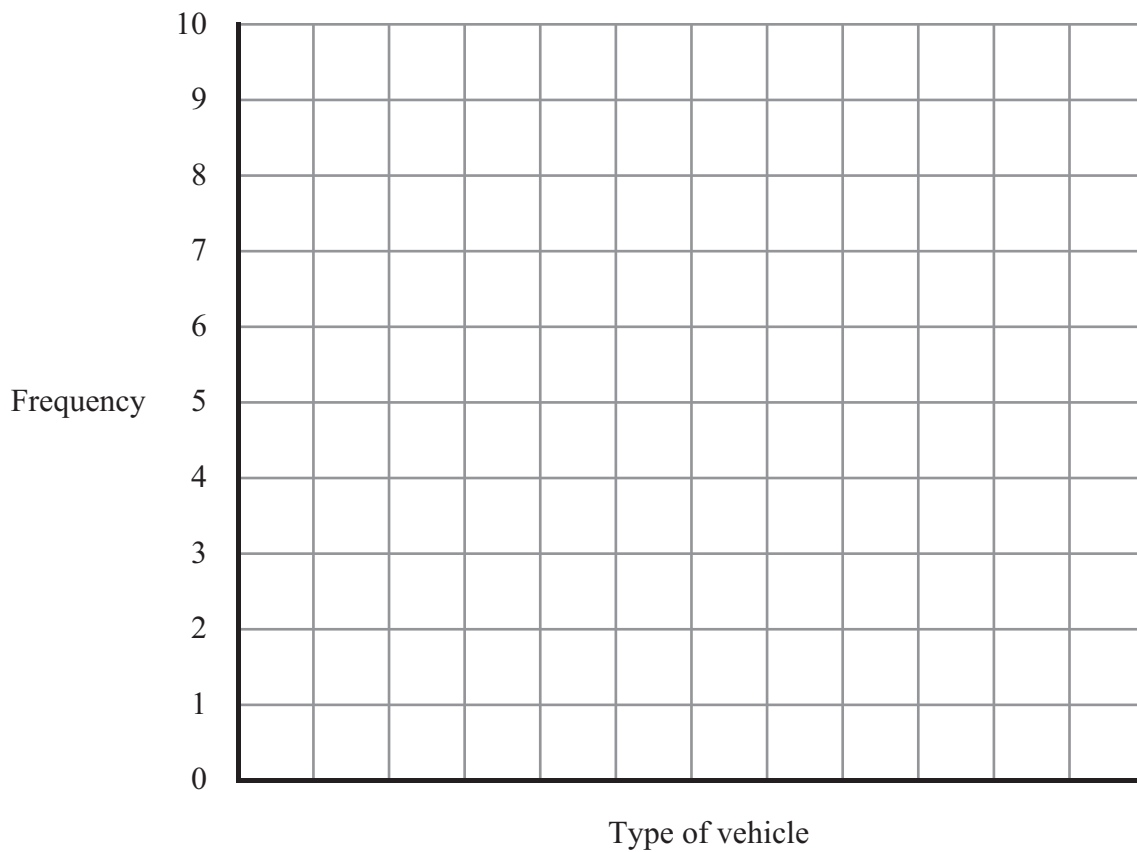


5 Sam carried out a traffic survey of the vehicles that passed his house.

Here are his results.

Type of vehicle	Frequency
Car	8
Lorry	4
Bus	2
Van	5
Bike	6

Draw a bar chart to display this information on the grid.



(Total for Question 5 is 3 marks)



6 Nina bought some items from a shop.

She bought

2 packs of sweets at £2.95 each

2 magazines at £2.75 each

1 newspaper at 95p each

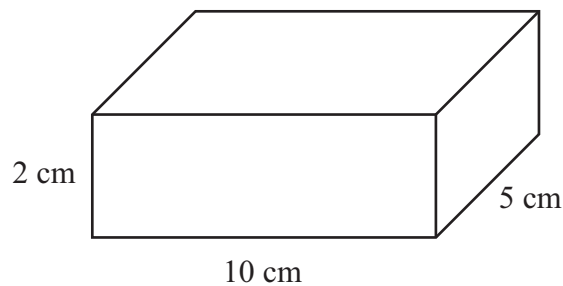
How much did Nina spend?

£ .....

(Total for Question 6 is 3 marks)

7 Here is a cuboid.

Diagram **NOT**  
accurately drawn



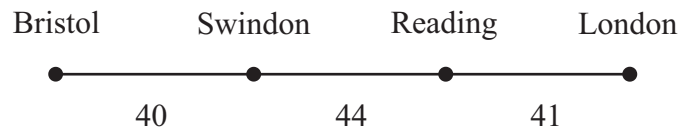
Work out the volume of the cuboid.

..... cm<sup>3</sup>

(Total for Question 7 is 2 marks)



- 8 Here is a diagram showing the distances, in miles, between some places on the M4 motorway.



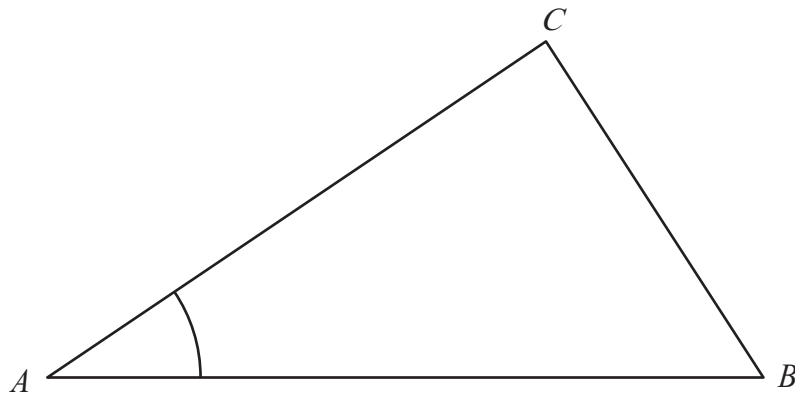
Complete the mileage chart for this information.

Bristol			
	Swindon		
	44	Reading	
			London

(Total for Question 8 is 3 marks)



9 Here is triangle  $ABC$ .



(a) Measure the length of the line  $AB$ .

..... cm  
(1)

(b) Measure the size of angle  $A$ .

.....  
(1)

(Total for Question 9 is 2 marks)

10 Here is a list of numbers.



From the list

(a) write down a multiple of 4

.....  
(1)

(b) write down two numbers that add up to 31

.....  
(1)

(c) write down a factor of 36

.....  
(1)

(Total for Question 10 is 3 marks)





11 Here is part of a calendar for July 2012

July 2012						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3	4	5	6	7
8						

(a) What is the date of the day two weeks after the 4th July 2012?

.....  
(2)

(b) What day of the week is the 15th August 2012?

.....  
(2)

**(Total for Question 11 is 4 marks)**

12 (a) Use your calculator to work out  $10.08 \div 3.5$

.....  
(1)

(b) Write 4.62 correct to one decimal place.

.....  
(1)

**(Total for Question 12 is 2 marks)**



- 13** Jess wants to buy a coat.  
The cost of the coat is £96  
She pays a 15% deposit.

Work out 15% of £96

.....  
**(Total for Question 13 is 3 marks)**

---

- 14** Write down an appropriate unit of measure for these items.

(a) The weight of a bag of potatoes.

.....  
(1)

(b) The distance of London from Manchester.

.....  
(1)

**(Total for Question 14 is 2 marks)**

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15 The table shows the temperatures in some cities one night last winter.

City	Temperature
Belfast	$-2^{\circ}\text{C}$
Cardiff	$2^{\circ}\text{C}$
Edinburgh	$-4^{\circ}\text{C}$
London	$5^{\circ}\text{C}$
Salisbury	$3^{\circ}\text{C}$

(a) Write down the name of the city with the highest temperature.

.....  
(1)

(b) Write down the name of the city with the lowest temperature.

.....  
(1)

**(Total for Question 15 is 2 marks)**

16 (a) Change 3000 millilitres into litres.

..... litres  
(1)

(b) Change 2.6 cm into mm.

..... mm  
(1)

**(Total for Question 16 is 2 marks)**



17 Here is part of Lola's electricity bill.

<b>Electricity Bill</b>		May 2012
L. Getz 3 Hills Ave London		
Reading 1st April		1066 units
Reading 1st Jan		0250 units
Number of units used	.....	units
Cost:	£0.15 per unit	

Work out the total cost of the units used.

£ .....

**(Total for Question 17 is 4 marks)**

18 Work out the cost of 2.5 metres of curtain material at £7 per metre.

£ .....

**(Total for Question 18 is 1 mark)**



19 Here is a table that can be used to change between pounds (£) and Euros (€).

pounds (£)	Euros (€)
1	1.15
2	2.30
3	3.45
4	4.60
5	5.75
6	6.90
7	8.05
8	9.20
9	10.35
10	11.50
100	115.00

(a) Change 7 pounds (£) to Euros (€).

€ .....  
(1)

(b) Change 6.90 Euros (€) to pounds (£).

£ .....  
(1)

(c) Change 300 pounds (£) to Euros (€).

€ .....  
(2)

(Total for Question 19 is 4 marks)

**TOTAL FOR SECTION A IS 50 MARKS**



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