Centre Number

Candidate Number

Edexcel Award

Number and Measure
Level 1
Section A (Calculator)

Thursday 9 May 2013 – 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.**
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

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.

Turn over

P43615A0112

PEARSON

1   (a) Write the number **263** in words.

....
(1)

(b) Write the number **six hundred and seven** in figures.

....
(1)

(c) Write the number 2750 to the nearest thousand.

....
(1)

(d) Change 8.5 cm into mm.

.... mm
(1)

(e) Change 345 cm into m.

.... m
(1)

(f) Work out 3.52 × 6

....
(1)

(g) Work out 36.7 + 8.5 – 1.45

....
(1)

(Total for Question 1 is 7 marks)

2 Here is information about six students.

Student	Age	Course	Full time
David	16	Plumbing	Yes
Jill	25	Business	Yes
Peter	18	Sports	No
Rachel	33	Plumbing	No
Sue	45	Sports	Yes
Tom	25	Business	No

(a) Which student is the oldest?

....
(1)

(b) Which two students have the same age?

....
(1)

(c) Which student taking the Sports course is Full time?

....
(1)

(Total for Question 2 is 3 marks)

3 (a) Write 25% as a fraction.

....
(1)

(b) Work out 60% of £45

£...
(2)

(Total for Question 3 is 3 marks)

P 4 3 6 1 5 A 0 3 1 2

Turn over ▶

4 Nathan goes shopping and buys

a magazine for £3.75
two bags of sweets at 95p each
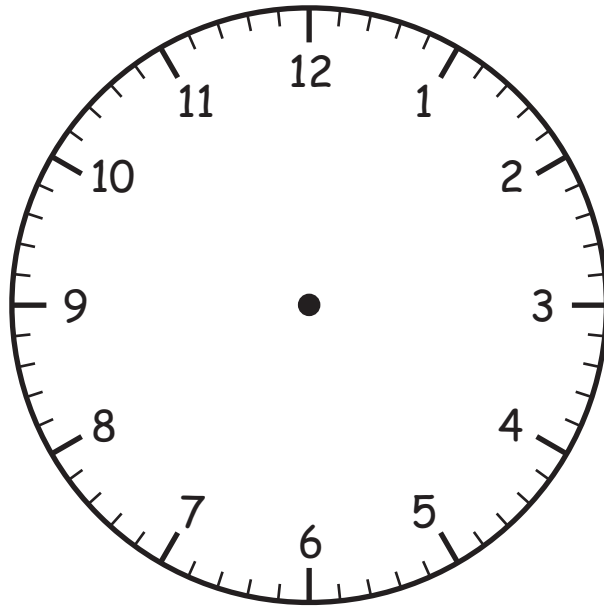three bottles of water at 81p each

He pays with a £10 note.

How much change should he get?

£ ....

(Total for Question 4 is 4 marks)

5 Here is a clock face.

(a) Show a time of ten to eight on the clock.

(2)

John arrived at work at ten to eight in the morning.
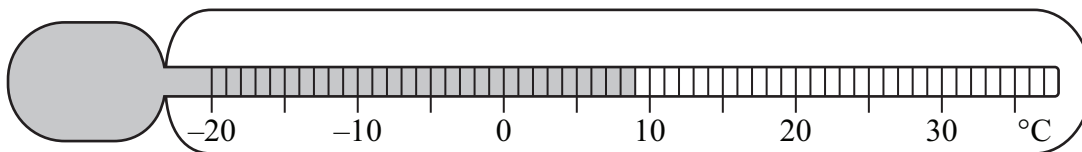He left work at 4 15 pm.

(b) How long did John spend at work?
Give your answer in hours and minutes.

.... hours .... minutes

(2)

(Total for Question 5 is 4 marks)

6 This thermometer shows the temperature at **noon**.

(a) Write down the reading on the thermometer.

....

(1)

This thermometer shows the temperature at **midnight**.
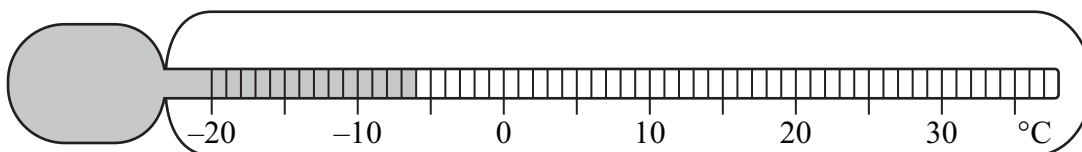
(b) Work out the difference in the temperature at **noon** and the temperature at **midnight**.

....

(2)

(Total for Question 6 is 3 marks)

7 Here is a triangle.
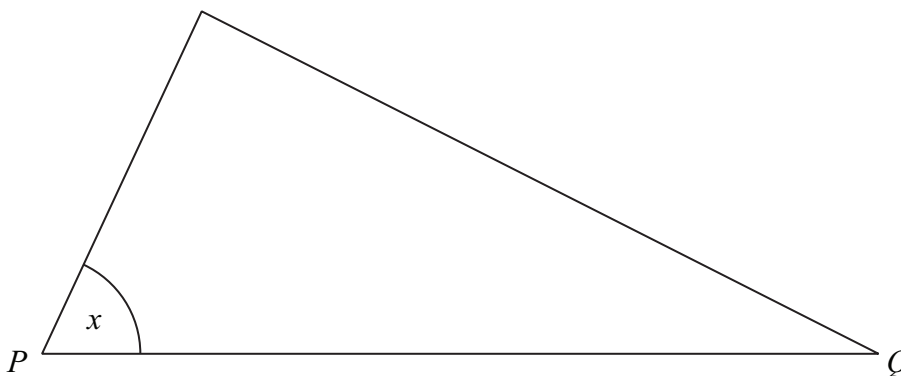
(a) Measure the length of the line *PQ*.

....

(2)

(b) Measure the size of the angle marked *x*.

°
....

(1)

(Total for Question 7 is 3 marks)

8 Here are the favourite flavours of crisps for 25 people.

Flavour	Frequency
Plain	5
Chicken	6
Prawn	2
Bacon	7
Cheese	5

(a) On the grid, draw a bar chart to show this information.
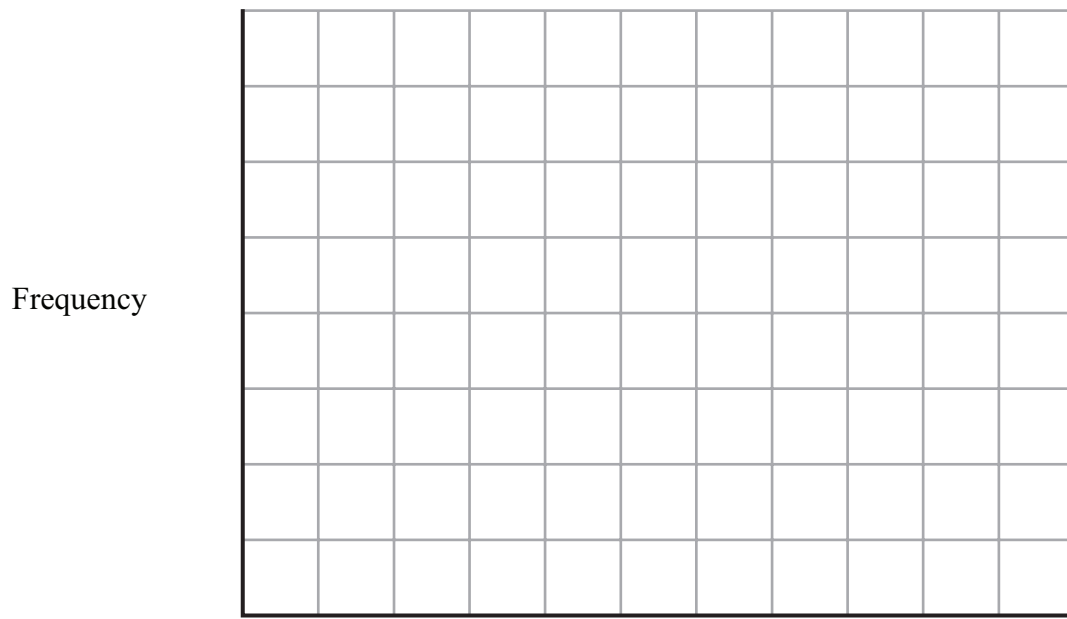
Frequency

(3)

(b) Which is the most popular flavour?

....

(1)

(c) Which two flavours have the same frequency?

.... and ....

(1)

(Total for Question 8 is 5 marks)

9 (a) Work out $\frac{5}{8}$ of 320

....
(2)

(b) Work out 20% of £160

£...........................
(2)

(Total for Question 9 is 4 marks)

10 (a) Work out $1.32 \div 0.25$

....
(1)

(b) Write 5.86 correct to one decimal place.

....
(1)

(Total for Question 10 is 2 marks)

11 Ben buys a packet of 7 pens for £1.99
   All the pens are the same.

   What is the cost of one pen?
   Give your answer to the nearest penny.

   ....

   (2)

   (Total for Question 11 is 2 marks)

12 Work out the volume of this cuboid.

Diagram **NOT**
accurately drawn

4 m

5 m

10 m
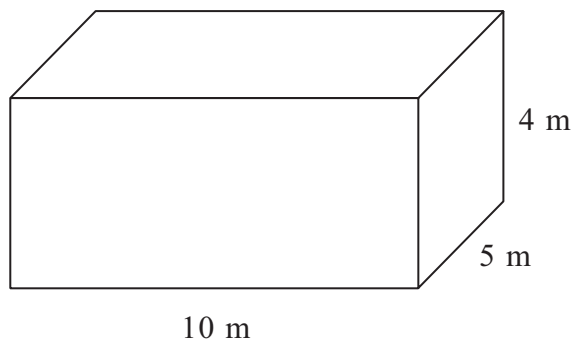
   .... m³

   (Total for Question 12 is 2 marks)

13 Here is Fiona's mobile phone bill.

Phones 2 U
London

Mobile Phone Bill April 2013

Calls   50 minutes at 7.5p per minute
Texts   75 at 4p each

Monthly rental   £15

Miss Fiona Jones
32 High St

Work out the total of Fiona's mobile phone bill.

....

(Total for Question 13 is 5 marks)

14 Here is a shaded shape made from two rectangles.

4 inches

10 inches
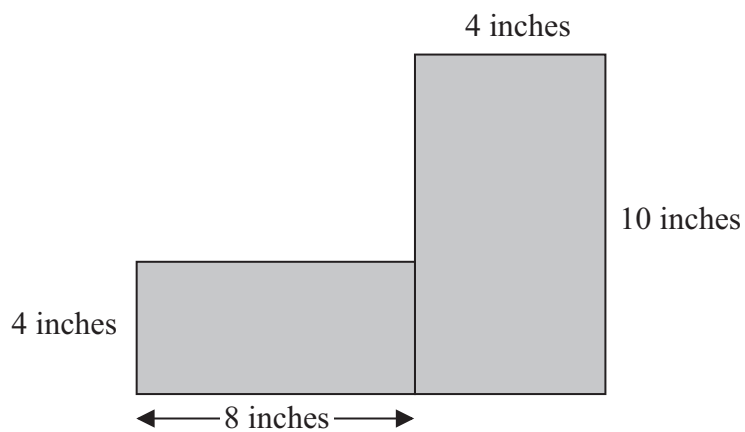
4 inches

8 inches

Work out the area of the shaded shape.

.... square inches

(Total for Question 14 is 3 marks)

TOTAL FOR SECTION A IS 50 MARKS

BLANK PAGE

Edexcel Award

Centre Number

Candidate Number

Number and Measure
Level 1
Section B (Non-Calculator)

Thursday 9 May 2013 – Morning **Time: 30 minutes**	Paper Reference **ANM10/1B**

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

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 must not be used.**

Information

- The total mark for this section is 30
- The total mark for this paper is 80
- 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.

Turn over ▶

PEARSON

Section B

Answer ALL questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

You must NOT use a calculator in this section.

1 (a) Work out

$$
\begin{array}{r}
2507 \\
76 \\
+ \ \underline{893} \\
\end{array}
$$

....
(2)

(b) Work out $50 - 15.7$

....
(2)

(c) Work out $245 \div 5$

....
(2)

(Total for Question 1 is 6 marks)

2 Here is a number line.

$$-6 \quad -5 \quad -4 \quad -3 \quad -2 \quad -1 \quad 0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5$$
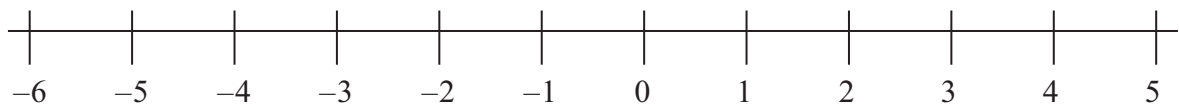
(a) Work out $-3 + 5$

....

(1)

(b) Work out $2 - 7$

....

(1)

(Total for Question 2 is 2 marks)

3 (a) Work out 7×6

....

(1)

(b) Work out $72 \div 8$

....

(1)

(c) Work out 45×100

....

(1)

(Total for Question 3 is 3 marks)

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

   47   9   72   33   80   16

....
   (1)

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

   4.5   5.4   0.45   0.54   0.04   5.01

....
   (1)

(c) Write these percentages in order of size.
   Start with the smallest percentage.

   75%   50%   95%   20%

....
   (1)

(Total for Question 4 is 3 marks)

5 (a) Write $\dfrac{4}{10}$ in its simplest form.

....

(1)

(b) Write $\dfrac{3}{4}$ as a decimal.

....

(1)

(c) Work out $\quad \dfrac{7}{12} - \dfrac{2}{12}$

....

(1)

Here are some fractions.

$$\dfrac{1}{2} \qquad \dfrac{2}{6} \qquad \dfrac{3}{4} \qquad \dfrac{2}{4} \qquad \dfrac{4}{10}$$

(d) (i)   Which of the fractions is the smallest?

....

(ii) Write down the two equivalent fractions.

.... and ....

(2)

(Total for Question 5 is 5 marks)

6

| 3 | 4 | 7 | 15 | 20 | 24 | 29 | 36 | 72 |

From the numbers in the list, write down

(a) a multiple of 5

....
(1)

(b) a factor of 40

....
(1)

(c) a prime number

....
(1)

(d) common factors of 24 and 36

.... and ....
(1)

(Total for Question 6 is 4 marks)

7 Here is a rectangle.

Diagram **NOT** accurately drawn

4 cm

9 cm
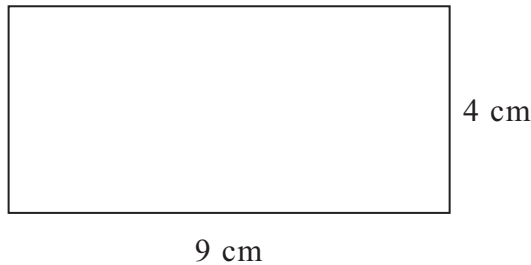
(a) Work out the perimeter of the rectangle.

.... cm
(2)

(b) Work out the area of the rectangle.

.... cm²
(2)

(Total for Question 7 is 4 marks)

8 Here is part of a calendar for May 2013

May 2013						
Sun	**Mon**	**Tues**	**Weds**	**Thurs**	**Fri**	**Sat**
			1	2	3	4
5	6	7	8	9	10	

(a) What day of the week is the 25th May 2013?

....

(1)

Gareth's birthday is three weeks after the 13th May.

(b) What date is Gareth's birthday?

....

(2)

(Total for Question 8 is 3 marks)

TOTAL FOR SECTION B IS 30 MARKS
TOTAL FOR PAPER IS 80 MARKS

BLANK PAGE