N012 Working with integers

Q1.

Write the number two million in figures.

....

(Total for question = 1 mark)

Q2.

Write down the value of the 4 in the number   542.3

....

(Total for question = 1 mark)

Q3.

(a)   Write these numbers in order of size.

Start with the smallest number.
52   102   25   120   55

....
(1)

(b)   Write these numbers in order of size.

Start with the smallest number.
6   −2   0   −5   3

....
(1)

(c)   Write these numbers in order of size.

Start with the smallest number.
0.63   0.633   0.603   0.6   0.06

....
(1)

(Total for Question is 3 marks)

Q4.

Here are three symbols.

| < | > | = |

Write one of these symbols in each box to make four true statements.

14 [ ] 21

4 + 7 [ ] 103 − 92

2² [ ] 2 × 2

−3 [ ] −5

(Total for question = 2 marks)

Q5.

The diagram shows the distances, in kilometres, between some towns, by road.

Diagram **NOT** accurately drawn

Branning — 70 — Colton
30 (Branning to Ambel)
40 (Colton to Ditton)
20 (Colton to Ford)
Ford
Ambel — 50 — Ditton
10 (Ditton to Evely)
60 (Evely to Ford)
Evely

Work out the shortest distance between Ambel and Ford by road.

(Total for Question is 2 marks)

Q6.

(a) Work out   +8 − 6

....
(1)

(b) Work out   −5 − 4

....
(1)

(c) Work out   −12 ÷ +4

....
(1)

(Total for Question is 3 marks)

Q7.

The table gives information about the temperatures in Reykjavik for 5 days one week.

Day	Maximum temperature	Minimum temperature
Monday	5 °C	4 °C
Tuesday	8 °C	6 °C
Wednesday	6 °C	−2 °C
Thursday	−1 °C	−4 °C
Friday	−3 °C	−6 °C

(a) Which day had the highest maximum temperature?

....
(1)

(b) What is the lowest minimum temperature?

.... °C
(1)

(c) Which day had the greatest difference between the maximum temperature and the minimum temperature?
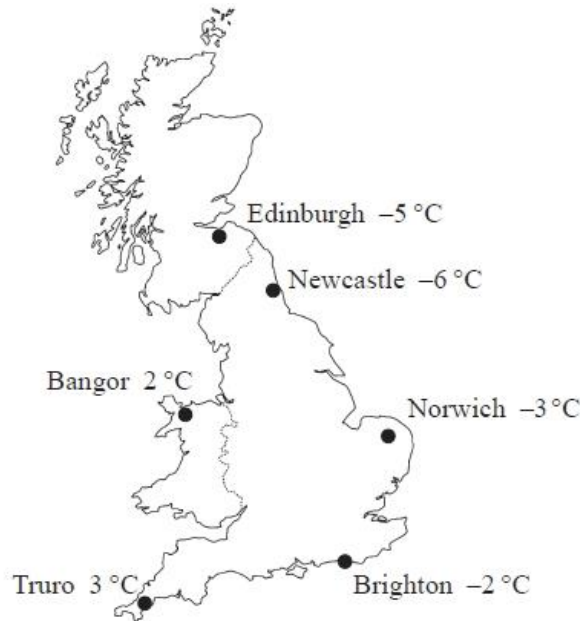
(2)

(Total for Question is 4 marks)

Q8.

Here is a map of Great Britain.

The map shows the temperatures in some cities at midnight on 20th January.

(a) Which city had the lowest temperature at midnight?

....

(1)

In Brighton, the temperature rose by 5°C between midnight on 20th January and midday on 21st January.

(b) What was the temperature in Brighton at midday on 21st January?

.... °C

(1)

At midnight on 20th January, the temperature in Nottingham was halfway between the temperature in Truro and the temperature in Edinburgh.

(c) What was the temperature in Nottingham?

.... °C

(2)

(Total for Question is 4 marks)

Q9.

Here is a map.

The map shows the temperatures in 5 cities at midday.

(a) Which city has the lowest temperature?

....

(1)

(b) Work out the difference between the temperature in Oslo and the temperature in London.

.... °C

(1)

By midnight, the temperature in Madrid had gone down by 7°C.

(c) Work out the temperature in Madrid at midnight.

.... °C

(1)

(Total for Question is 3 marks)

Q10.

Work out   247 × 63

....

(Total for question is 3 marks)

Q11.

Work out 172 × 34

....

(Total for question = 3 marks)

Q12.

There are 5 grams of fibre in every 100 grams of bread.

A loaf of bread has a weight of 400 g.
There are 10 slices of bread in a loaf.

Each slice of bread has the same weight.

Work out the weight of fibre in one slice of bread.

.... g

(Total for question is 3 marks)

Q13.

Tanya needs to buy chocolate bars for all the children in Year 7
Each of the 130 children get one chocolate bar.

There are 8 chocolate bars in each packet.

Work out the least number of packets of chocolate bars that Tanya needs to buy.

....

(Total for question = 3 marks)

Q14.

Tim and three friends go on holiday together for a week.

The 4 friends will share the costs of the holiday equally.

Here are the costs of the holiday.

   £1280 for 4 return plane tickets
   £680 for the villa
   £220 for fire of a car for the week

Work out how much Tim has to pay for his share of the costs.

£ ....

(Total for question = 3 marks)

Q15.

Harry is planning a holiday for 4 people for 7 days.

Here are the costs for the holiday for **each person**.

Travel	£150
Hotel	£50 for each day
Spending money	£250

Work out the total cost of the holiday for 4 people for 7 days.

£ ....

(Total for question = 4 marks)