GCSE QUESTIONS

Q1. NON-CALCULATOR

At 5am the temperature was –5°C.
By midday, the temperature had risen by 7°C.

(a) Work out the temperature at midday.

..... °C

(1)

At 5pm the temperature was 9°C.

(b) Work out the difference between the temperature at 5am and the temperature at 5pm.

..... °C

(1)

(Total for question = 2 marks)

Q2. NON-CALCULATOR

At 7 am the temperature was −4 °C
By 3 pm the temperature had gone up by 10 °C.

(a) Write down the temperature at 3 pm.

.....°C

(1)

At 9 pm the temperature was −2°C.
By midnight the temperature had gone down by 7 °C.

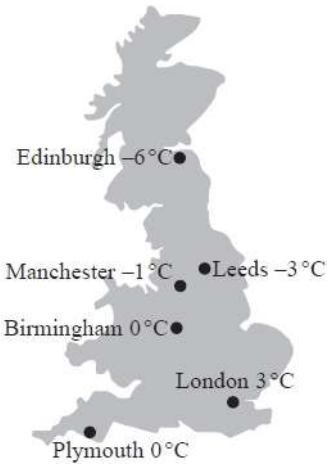
(b) Write down the temperature at midnight.

.....°C

(1)

(Total for question = 2 marks)

Q3. NON-CALCULATOR



The diagram shows the temperatures in 6 cities at midnight one day.

(a) Which city had the highest temperature?

.....

(1)

(b) Work out the difference in temperature between

(i) Manchester and Edinburgh,

..... °C

(ii) London and Leeds.

..... °C

(2)

(Total for question = 3 marks)

Q4. NON-CALCULATOR

28569 people watch a football match.

(a) Write 28569 to the nearest hundred.

.....

(1)

(b) Write down the value of the **2** in the number 28569

.....

(1)

5619 of the 28569 people are female.

(c) Work out the number of males.

.....

(1)

(Total for Question is 3 marks)

Q5. NON-CALCULATOR

(a) Work out 27 + 38

.....

(1)

(b) Work out 202 – 75

.....

(1)

(c) Work out 2 × 3 × 5

.....

(1)

(Total for Question is 3 marks)

Q6. NON-CALCULATOR

(a) Work out 84 ÷ 3

.....

(1)

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(b) Work out 0.17 × 6000

.....

(1)

(c) Work out $(-2)^3$

.....

(1)

(Total for question = 3 marks)

Q7. NON-CALCULATOR

Work out 342 × 24

.....

(Total for Question is 3 marks)

Q8. NON-CALCULATOR

Work out 172 × 34

.....

(Total for question = 3 marks)

Q9. NON-CALCULATOR

Work out 247 × 63

.....

(Total for question is 3 marks)

Q10. NON-CALCULATOR

(a) Write the number **7378** to the nearest hundred.

.....

(1)

(b) Write the number **6402** in words.

.....

(1)

(c) Work out 54 × 1000

.....

(1)

(d) Work out $\frac{1}{4}$ of 28 kg.

..... kg

(1)

(e) Work out 9 + 12 ÷ 3

.....

(1)

(Total for question = 5 marks)

Q11. NON-CALCULATOR

Bernard says,

"When you halve a whole number that ends in 8, you always get a number that ends in 4"

(a) Write down an example to show that Bernard is wrong.

.....

(1)

Alice says,

"Because 7 and 17 are both prime numbers, all whole numbers that end in 7 are prime numbers."

(b) Is Alice correct?
You must give a reason with your answer.

.....

.....

(1)

(Total for question is 2 marks)

Q12. NON-CALCULATOR

(a) Write these numbers in order of size.

Start with the smallest number.

3517 7135 5713 1357

.....

(1)

(b) Write these numbers in order of size.

Start with the smallest number.

0.354 0.4 0.35 0.345

.....

(1)

(Total for Question is 2 marks)

Q13. NON-CALCULATOR

(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)

Q14. NON-CALCULATOR

(a) Write these numbers in order of size.

Start with the smallest number.

358 835 709 98 145

.....

(1)

(b) Write these numbers in order of size.

Start with the smallest number.

4 –5 7 –1 –8

.....

(1)

(c) Write these numbers in order of size.

Start with the smallest number.

¼ 0.2 40% ¾ 0.5

.....

(2)

(Total for Question is 4 marks)

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