Maths Revision Booklet
for CCEA GCSE 2-tier specification
M5

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Name:

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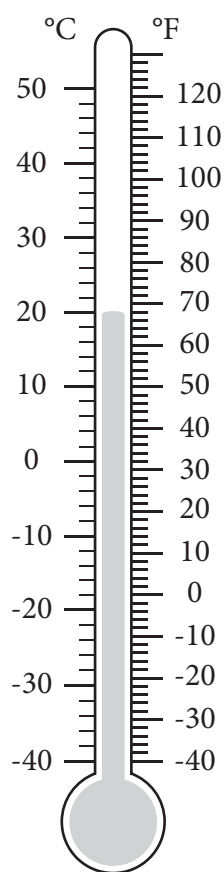# Contents

Revision Exercise 1A (non-calculator)

You must **not** use a calculator for this paper. Total mark for this paper is 50.
Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.
You should have a ruler, compasses, set-square and protractor.

1. The temperature is shown on the thermometer below in both °F and °C.

°C   °F

50   120
       110
40   100
       90
30   80
       70
20   60
10   50
       40
0   30
       20
-10   10
       0
-20   -10
-30   -20
       -30
-40   -40

(a) What temperature in °F is 20°C?

Answer _____ °F [1]

(b) What temperature in °C is 44°F?

Answer _____ °C [1]

2. Impossible   Unlikely   Evens   Likely   Certain
Choose from the words above to describe the probability of the following events happening.

(a) A fair dice will show an even number.

Answer _____ [1]

(b) Tomorrow will be a day ending in the letter "Y".

Answer _____ [1]

(c) Your best friend will meet Ed Sheeran next week.

Answer _____ [1]

(d) A person selected from your school is right handed.

Answer _____ [1]

3. (a) John and his 3 friends are going to "Fry Days" to get some carry out food.
John wants a burger and chips which costs £3.85
His friends want a fish supper at £4.15, sausage and chips at £3.15 and chicken and chips at £4.95
Estimate the total cost of the meals.
Show all your working.

Answer £ _____ [2]

(b) Michael estimates that the square root of 80 is about 8
Is Michael correct?
Explain your answer.

Answer _____ because _____ [2]

4. Put the four digits below in order to make a number as close as possible to 4 thousand.

9   4   3   5

Answer _____ [2]

5. I have 8 coins and 15p in total. I have at least one of each of the coins 5 pence, 2 pence and 1 pence.
How many of each coin do I have?

Answer _____ 1p _____ 2p _____ 5p [3]

6. A person is to be selected at random from a youth club to represent the club at an international event.

(a) Explain why the probability of selecting a girl may not be ½

Answer _____ [1]

There are 24 girls and 30 boys in the youth club.

(b) What is the probability of selecting a boy at random from the club?
Give your answer in its simplest form.

Answer _____ [2]

7. (a) A sack of potatoes weighs 25 kg. What is the approximate weight of the sack of potatoes in pounds?

Answer _____ pounds [2]

(b) The distance between Belfast and Dublin is 100 miles. How many kilometres is this distance?

Answer _____ km [2]

8. (a) A bag contains 4 blue balls, 5 red balls and 6 green balls.
What is the probability of choosing at random a red ball?

Answer _____ [2]