

Mathematics A

Paper 1 (Non-Calculator)

Higher Tier

Tuesday 11 June 2013 – Morning
Time: 1 hour 45 minutes

Paper Reference
1MA0/1H

- 1 Given that $1793 \times 185 = 331\,705$

write down the value of

(a) 1.793×185

(b) $331\,705 \div 1.85$

(Total for Question 1 is 2 marks)

- 2 Mr Mason asks 240 Year 11 students what they want to do next year.

15% of the students want to go to college.

$\frac{3}{4}$ of the students want to stay at school.

The rest of the students do not know.

Work out the number of students who do not know.

(Total for Question 2 is 4 marks)

- 3 Sixteen babies are born in a hospital.

Here are the weights of the babies in kilograms.

2.4	2.7	3.5	4.4	4.5	4.1	4.4	2.8
4.1	3.8	3.8	4.2	3.3	3.0	3.7	3.3

Show this information in an ordered stem and leaf diagram.

- 4 (a) Expand $3(2 + t)$

(Total for Question 3 is 3 marks)

(b) Expand $3x(2x + 5)$

(c) Expand and simplify $(w + 3)(w + 10)$

(Total for Question 4 is 5 marks)

- 5 Write 525 as a product of its prime factors.

(Total for Question 5 is 3 marks)

Higher Maths 2past Paper

Steven O'Hagan



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