

- Show your working. Marks may be given for a correct method even if the answer is incorrect.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this Section is 25.



	This document consists of 10 printed	pages and 2 blank pages.	
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2

Formulae Sheet







Volume of prism = (area of cross-section) × length

3

1 (a) Choose numbers from this list to complete these sentences.

				8	12	14	25	29	36	42	48	
(i) is a prime number												
	(ii) .		i	saco	ommo	on factor	• of 24	and	56.			
(b)	Put a	circle	round t	he sn	nalles	s t numb	er in t	he list	below.			
				0	·41	0.412	0.	14	0.041	0.4	401	

[1]



(a) Reflect triangle A in the line RS. Label the image B.

[1]

(b) Reflect triangle A in the *x*-axis. Label the image C.

[1]

2

4



3

4 (a) Rob's café sells food and drink.23% of the total sales on one day were bottles of water.

Write 23% as a fraction.

(a)[1]

(b) A cheeseburger weighs 208 g. $\frac{1}{8}$ of the cheeseburger is protein. Work out $\frac{1}{8}$ of 208 g.

(b) g [1]



(c) This graph represents the takings at Rob's café one week.

(i) Write down the greatest amount of takings and the day on which this occurred.

(c)(i) £.....[1]

(ii) How much more did the café take on Tuesday than it did on Monday?

(ii) £[1]

5 The colours of the eight logs on a log flume ride are shown below.

	Red	Blue	G	Green	Yellow			
		Green	Blue	Blue	Red			
Katy rides in the next log to arrive. What is the probability that the log she rides in is								
(a)	Blue,							
					(a)[1]			
(b)	not Yellow,							
					(b)[1]			
(c)	Black?							
					(c)[1]			

6 Work out.

 267×28

You must show all your working.

.....[3]

Sarah becomes a member of a DVD hire club.It costs £5 to become a member and £3 for each DVD hired.

Write an expression for the total cost, in pounds, of becoming a member and hiring n DVDs.

.....[2]

8 Ruth went on holiday by car from home to Padstow. The graph shows her journey.



Use the graph to answer these questions.



(c)km/h [2]

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