

OXFORD CAMBRIDGE AND RSA EXAMINATIONS
LEVEL 1 FUNCTIONAL SKILLS MATHEMATICS

09865

TASK AND ANSWER BOOKLET PRACTICE PAPER 5

TIME: 1 HOUR 30 MINUTES

INSTRUCTIONS

Fill in all the boxes below. Make sure your personal details are entered correctly. Use **BLOCK LETTERS**.

Your surname or family name

Your first forename (if any)

Your second forename (if any)

Date of birth

Centre name

Centre number

Your OCR candidate number

At the beginning of this booklet you will find tear off Resource Documents. You will need to refer to these documents to complete the tasks.

You will also need:

- a pen with black ink
- a calculator
- a ruler

YOU HAVE 1 HOUR AND 30 MINUTES TO COMPLETE THE THREE TASKS

For each task, make sure that you:

- read the questions carefully before starting
- write your answers in this booklet
- clearly show how your working leads to your answers

2 marks are available in each task when you show you have checked your work.

When you have finished, hand this booklet and all the Resource Documents to the supervisor.

Ofqual Qualification Reference Number: 500/8910/9

FOR EXAMINER USE ONLY		
Question No	Mark	Total
TASK A		
	/	/20
	/	
	/	
	/	
	/	
TASK B		
	/	/20
	/	
	/	
	/	
	/	
TASK C		
	/	/20
	/	
	/	
	/	
	/	
Total	/60	

This document consists of 28 pages. Any blank pages are indicated.

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RESOURCE DOCUMENTS

The Resource Documents on pages 5, 7, 9 and 11 contain information to help you to answer the tasks in this booklet.

- The resource documents are perforated along the left hand side, so they can be removed from the task and answer booklet.
- Your supervisor will instruct you when to remove the resource documents, before you start the assessment.
- Please fold pages 5, 7, 9 and 11 along the perforated strip before removing from the task and answer booklet.

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TASK A – IRONING**RESOURCE DOCUMENT 1****Janine's Ironing Shop**

Open Monday to Saturday 9:00am to 5:30pm

These are the prices Janine charges for each item she irons.

Shirts		Linen	
Single cuff	£1.21	Sheet: single	£1.79
Double cuff	£1.36	Sheet: double	£2.77
Silk	£2.64	Sheet: king-size	£3.23
T-shirts	£0.80	Sheet: super-king	£3.58
Sweatshirts	£1.00	Duvet-cover: single	£2.50
Jumpers	£1.00	Duvet-cover: double	£3.18
Polo necks	£1.00	Duvet-cover: king-size	£3.90
		Duvet-cover: super-king	£4.72
Trousers		Pillowcase: plain	£0.72
Smart chinos	£2.13	Pillowcase: frilled	£0.87
Jeans	£1.82	Handkerchief	£0.36
Shorts	£1.41	Tablecloth	£2.05
Ladies Fashion		Other	
Dresses	£3.20	Pyjamas	£2.56
Jackets	£3.70	Nightie	£1.54
Skirts	£2.15	Dressing gown	£3.08
Scarves	£1.05	Boxer shorts	£0.56

These are the times it takes Janine to iron each item.

Item	Time in minutes
Shirt	2 to 4
Dress	5 to 8
Sweat shirt, T-shirt etc	1 to 2
Trousers	2 to 4
Sheet	3 to 5
Duvet-cover	4 to 8
Pillowcase	1 to 2
Other items	1 to 4

A change of bedding is 1 sheet, 1 duvet-cover and 2 pillow cases.

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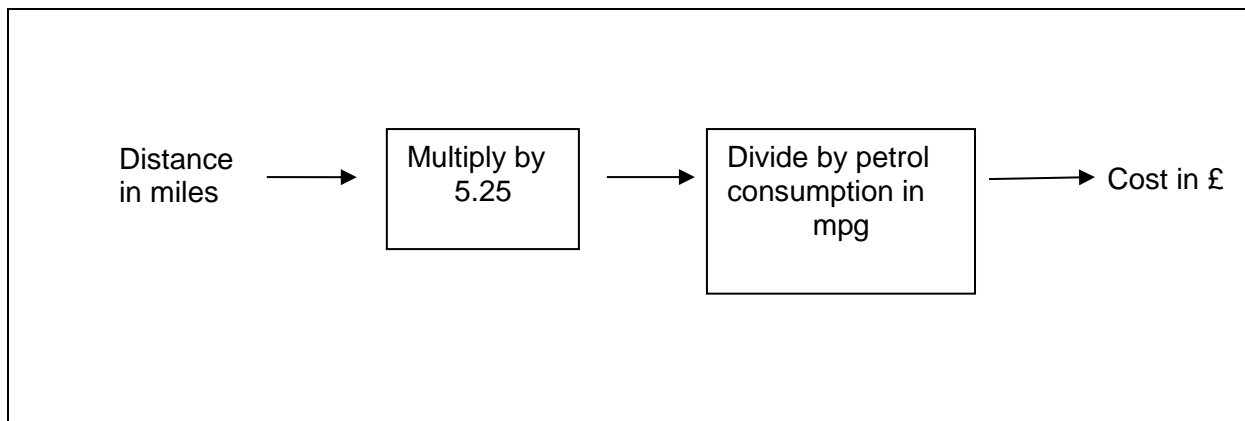
TASK B – CAR EMISSIONS**RESOURCE DOCUMENT 1**

Information about new cars which Liam found on the internet

Make of car	Car tax band	CO ₂ emissions in g/km	Engine size in cc	Petrol consumption in mpg
Audi A4	G	164	1798	39.8
Daihatsu Sirion	C	118	998	56.5
Fiat Punto	E	132	1368	49.6
Ford Fiesta	D	127	1242	51.4
Honda Jazz	D	125	1198	53.3
Kia Picanta	C	114	1086	58.8
Porsche Cayenne	M	263	3598	25.2
Renault Clio	E	139	1149	47.9
Skoda Yoti	F	149	1197	44.1
Smart Car	B	104	999	62.8
Toyota Yaris	C	118	998	56.5
VW Golf	F	149	1390	44.1

Car tax for twelve months

Car tax band	Cost for twelve months in £
A	0
B	20
C	30
D	90
E	110
F	125
G	155
M	435

How to find the petrol costs of using a car

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TASK C – GOLD LEAGUE**RESOURCE DOCUMENT 1**

There are twelve races each year in the Gold League. All are 100 metres. Runners who finish in the first 6 positions in each race are awarded points. Runners who finish lower than sixth place get no points.

The points awarded for each position are shown in this table.

Position in Race	Points scored
1	6
2	5
3	4
4	3
5	2
6	1

Results of the first eight 100 metre races

Stadium	Shanghai	Oslo	Rome	Lisbon	Doha	Paris	Monaco	Lausanne
Position								
1	Oban	Ball	Cowell	Daley	Ball	Drake	Preece	Painter
2	Ball	Cowell	Lemar	Simmons	Cowell	Ball	Oban	Ball
3	Cowell	Oban	Colt	Ball	Colt	Cowell	Cowell	Cowell
4	Colt	Calder	Ball	Lewis	Calder	Simmons	Ball	Calder
5	Simmons	Drake	Painter	Grater	Oban	Oban	Colt	Grater
6	Calder	Simmons	Oban	Cowell	Daley	Lemar	Simmons	Oban

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TASK C – GOLD LEAGUE

This table shows the total points gained so far after ten races by the top eight runners.

Name	Points so far
Cowell	42
Ball	39
Oban	29
Drake	18
Simmons	17
Grater	12
Daley	10
Painter	8

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TASK AND ANSWER PAGES

Do not turn over this page until you are told to do so by your supervisor.

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TASK A – IRONING

You will need Task A Resource Document 1

Q1 (a) For how many hours each day is Janine’s Ironing Shop open?

(1 mark)

(b) (i) Each week, Mr Poirot sends 7 single cuff shirts to be ironed.

How much does this cost Mr Poirot?

(2 marks)

(ii) How many minutes could Janine spend ironing Mr Poirot’s shirts each week?

(2 marks)

(c) On Monday morning Janine has a large pile of duvet-covers to iron.

What is the most Janine could earn in 1 hour?
Explain your answer.

(5 marks)

(d) A typical customer sends Janine a bag containing a change of bedding, some shirts and 3 other items to iron.

(i) How many bags of ironing could Janine do in a day?

(5 marks)

(ii) How much in total would her customers pay her in a day?

(3 marks)

Examiner
use only
(Q1)

Checking (2 marks)

Examiner
use only
(Checking)

Total marks

Examiner
use only
(Total)

END OF TASK A

TASK B – CAR EMISSIONS

You will need Task B Resource Document 1



Amy and Liam are talking about car CO₂ emissions. This is the amount of carbon dioxide emitted by a car for every kilometre travelled.

Q2 (a) (i) Which car in the table has the highest CO₂ emissions?

(1 mark)

(ii) What is the range of the CO₂ emissions from these cars?

(2 marks)

Amy and Liam disagree.



(b) (i) Complete the tables using the information from the Resource Booklet.

Cars with engine size smaller than 1200cc	CO ₂ emissions in g/km
Daihatsu	118
Mean value	

Cars with engine size between 1200cc and 1800cc	CO ₂ emissions in g/km
Fiat	132
Mean value	

(4 marks)

(ii) Use your completed tables to decide who is correct.

(3 marks)

TASK C – GOLD LEAGUE**You will need Task C Resource Document 3**

The Gold League is an International Athletics League consisting of twelve 100 metre races.

- Q3 (a) (i)** How many points would a runner have if he came second in the first two races, and fourth in the next two races?

(2 marks)

- (ii)** Christie says

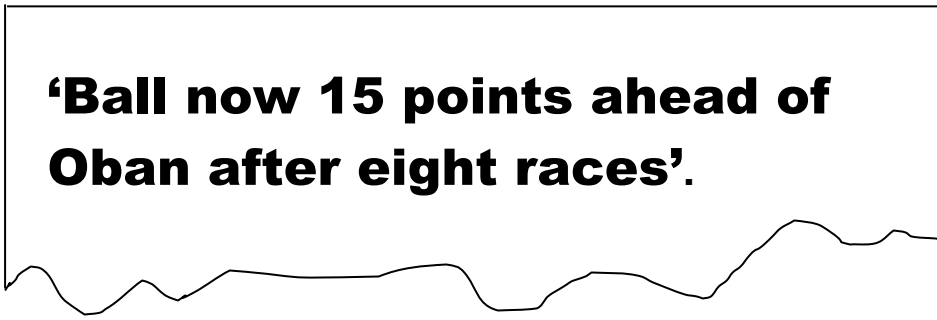


I was injured
for the first 5
races and
couldn't run.

What is the maximum number of points he could have scored in the season?

(2 marks)

This headline appears in a newspaper:



(b) Is this true? Show how you decide.

(4 marks)

(c) (i) Drake says



Is Drake correct?
You must use numbers to justify your answer.

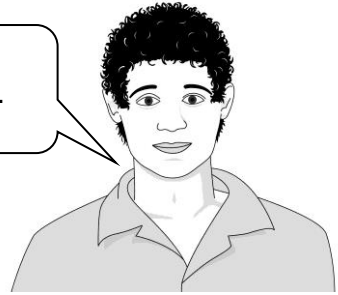
(2 marks)

(ii)



Grater must have come first in race 9 **or** 10

I don't think you can tell.



Who is right, Jane or Gary?
Support your answer with evidence.

(3 marks)

- (d)** In the twelfth race, double points will be awarded.
 The eleventh and twelfth race have not been run yet.



Is Oban correct?
 Support your answer with evidence.

(5 marks)

Examiner
 use only
 (Q3)

Checking (2 marks)

Examiner
 use only
 (Checking)

Total marks

Examiner
 use only
 (Total)

END OF TASK C

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