



## Lite GCSE Maths

### Money Problem Solving 2

Name: \_\_\_\_\_

Class: \_\_\_\_\_

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Author:

Date:

Time: 32

Marks: 28

Comments:

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**Q1.** This is part of Sari's electricity bill.

OHM Electricity Company	
Present reading	7466 units
Last reading	6942 units
Each unit costs 4.5p	

How much does she pay?

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Answer £ .....

**(Total 4 marks)**

**Q2.** The table shows UK postal rates.

	<b>Weight</b>	<b>First Class</b>	<b>Second Class</b>
<b>Letter</b>	0 —100g	£0.34	£0.24
<b>Large Letter</b>	0 —100g	£0.48	£0.40
	101—250g	£0.70	£0.60
	251—500g	£0.98	£0.83
	501—750g	£1.42	£1.20
<b>Packet</b>	0 —100g	£1.09	£0.92
	101—250g	£1.38	£1.20
	251—500g	£1.84	£1.52
	501—750g	£2.38	£1.92
	751—1000g	£2.92	£2.30
	1001—1250g	£4.25	Please note items heavier than 1000 g cannot be sent Second Class
	Each additional 250 g or part thereof	+ £0.75	

(a) What is the cost of sending a 225 g large letter using First Class?

Answer £ .....

(1)

(b) What is the weight of the heaviest item that can be sent Second Class?

Answer £ .....

(1)

(c) A packet weighs 1.3 kg.

How much does it cost to send it using First Class?

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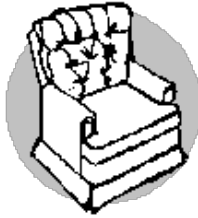
Answer ..... g

(3)

(Total 5 marks)

**Q3.** Three shops advertise the same luxury chair.  
Each shop has a special offer.

**Shop A**  
Chair – normal price £600  
Special Offer – 30% off  
normal price



**Shop B**  
Chair – normal price £550  
Special Offer –  $\frac{1}{5}$  off  
normal price

**Shop C**  
Chair – normal price £820  
Special Offer – buy one  
get one free

(a) Mutasem wants to buy **two** of these luxury chairs.

At which shop is the price of the two chairs the cheapest?  
You **must** show your working.

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Answer: Shop .....

(5)

(b) Mutasem wants to have the chairs delivered.  
The table shows the delivery cost and the delivery time for each shop.

Shop	Total delivery cost	Delivery time
A	Free	3 weeks
B	£20	Next day
C	£10	8 weeks

Taking everything into account give a reason why each shop could be the best choice.

Shop A

Reason .....

.....

Shop B

Reason .....

Shop C

Reason .....

(3)  
(Total 8 marks)

**Q4.** (a) Travelling 10 000 kilometres costs £800 for petrol.

How much does it cost to travel 12 500 kilometres?

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Answer £ .....

(1)

(b) Last year Mr Taylor travelled 15 000 km in his car and spent £1200 on petrol.  
This year he expects to travel 20 000 km.  
He estimates that the price of petrol has increased by 10% on what it was last year.

How much should Mr Taylor expect to pay for petrol this year?

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Answer £ .....

(4)  
(Total 5 marks)

- Q5.** (a) Caroline buys 1.4 kilograms of bananas at 95 pence per kilogram.  
She also buys 0.8 kilograms of apples.  
Her total bill is £1.93  
How much per kilogram was she charged for the apples?

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Answer ..... pence

(4)

- (b) Jane spends £4.50 on fruit.  
Her total bill is £22.50  
What percentage of her total bill is for fruit?

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Answer ..... %

(2)

**(Total 6 marks)**

