Lite GCSE Maths

Money Problem Solving 1

Name:

Class:

Author:

Date:

Time: 35

Marks: 27

Comments:

Q1. Greg goes shopping with £20.
He spends £5.60 on his lunch.

He needs £1.30 for his bus fare.

He sees this advert for shoes.

> **Shoes**
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> Normal Price £15
> Sale price 10% off normal price

Does he have enough money to buy them?

You **must** show your working

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(Total 4 marks)

Q2. Salima sees an advert for a summer holiday.

Summer Sun
Fantastic deals with Sunbreaks Holidays

Dates	7 nights	14 nights
1 April – 30 April	£315	£575
1 May – 6 July	£220	£400

Notes
- Prices are for one adult (16 years and over)
- Children (less than 16 years) 75% of adult price
- 10% discount if booked online (www.sunbreaks.co.uk)

Salima books a 7-night holiday in April for two adults.

The travel agent adds a percentage surcharge to the cost of the holiday for booking fees.

Salima's final bill is £642.60.

What was the percentage surcharge?

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Answer .... %

(Total 3 marks)

Q3. Here is part of a price list for a fruit and vegetable stall.

Price List

Fruit

Apples	30p each
Bananas	25p each
Oranges	20p each

Vegetables

Broccoli	75p per 100g
Carrots	20p per 100g
Cauliflower	£1 per 100g

The Government says we should eat 5 portions of fruit and vegetables every day.
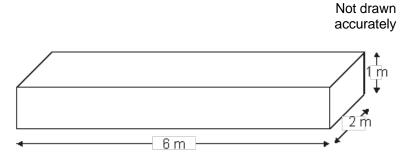
A portion is an item of fruit or 100 g of vegetables.

Dita has £10 to spend on fruit and vegetables for one week.

She wants to buy at least two different fruits and two different vegetables.

Show **one** way of buying fruit and vegetables so that she has 5-a-day for one week.

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(Total 5 marks)

Q4.   Barbara uses her car to work as a volunteer driver at her local hospital.

She is paid 40 p for every mile she drives.

On average she drives 2000 miles each month.

Here is some information about the running costs of Barbara's car.

Fuel consumption	50 miles per gallon
Other running costs	10 pence per mile

(a)   Petrol costs £5 per gallon

Calculate Barbara's annual fuel bill.

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Answer £ ....

(2)

(b)   After paying for fuel and other running costs, Barbara saves the money left over.

Barbara is planning to use this money for a holiday that will cost £3000.

Will Barbara have enough money after saving for one year?

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(4)
(Total 6 marks)

Q5.   The shape of a flower bed is a cuboid as shown.

Not drawn
accurately

1 m^3 of soil weighs 1.25 tonnes
A gardener wants to fill the flower bed with soil as cheaply as possible.

The table shows the costs for Company A and Company B.

| Company A | £ 49.50 per tonne | Delivery £ 30 |
| Company B | 10 tonnes for £ 430
then £ 67.50 per extra tonne | Delivery free |

Which company should she use and how much will it cost?

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Answer   Company ....

£ ....

(Total 6 marks)

Q6. Mollie's Cookie Shop sells cookies individually or in bags of 5, 8, 13 or 18.

| 1
cookie | 5
cookies | 8
cookies | 13
cookies | 18
cookies |
| **75p** | **£2.25** | **£2.99** | **£3.99** | **£4.99** |

What is the cheapest way to buy exactly 50 cookies?
You **must** show your working.

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Answer £ ....

(Total 3 marks)