



**Bishops
Online
Tutoring**



Education Consultancy

Edexcel GCSE Mathematics

MONEY PROBLEMS

Materials Required:

- Pen
- HB Pencil
- Ruler (in centimetres and millimetres)
- Protractor
- Compass

Instructions:

- Use a black ink pen to answer all questions
- Fill your name in the section below
- Answer the questions in the spaces provided
- Show your working out for all answers

Information:

- The marks allocated for each question are displayed within brackets – utilise this information to gauge the appropriate amount of time to dedicate to each question
- Questions marked with an asterisk (*) will assess your written communication; be careful of spelling, punctuation and grammar with these questions

Advice:

- Carefully read the question before attempting to answer it
- Be vary of time and try to answer every question
- If you have enough time in the end, go back and check your answers. A good way to check your answers is to retry the question with the hope of getting the same answer as before without looking at your working out from before

NO CALCULATOR ALLOWED

NAME:	
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$$56p \times 4 = \pounds 2.24$$

$$\pounds 2.24 + \pounds 1.14 = \pounds 3.38$$

1. A packet of biscuits costs 56p.
A bottle of cola costs £1.14



Emma buys 4 packets of biscuits and one bottle of cola.
She pays with a £10 note.

Work out how much change she should get.

$$\pounds 10 - \pounds 3.38$$

$$= \pounds 6.62$$

$$\pounds \dots 6.62 \dots$$

(Total 3 marks)

2. Farah buys

2 pens at 84p each

3 folders at £1.35 each

1 pencil case at £1.49

$$\pounds 1.68$$

$$- \pounds 4.05$$

She pays with a £10 note.

Work out how much change Farah should get from £10.

$$1.68 + 4.05 + 1.49$$

$$= 7.22$$

$$10 - 7.22$$

$$= 2.78$$

$$\pounds \dots 2.78 \dots$$

(Total 3 marks)

3. A badge costs 78p.
Sam has £5. $\rightarrow 500p$
He buys as many badges as he can.

Work out the amount of change Sam should get from £5.
Give your answer in pence.

$$500 \div 78 = 6.41$$

\therefore Sam can buy 6 badges

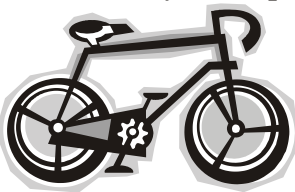
$$78 \times 6 = £4.48$$

$$5 - 4.48 = 0.52$$

.....p

(Total 3 marks)

4. Complete this bill.

Michael's Cycle Repairs			
			
Description	Number	Cost of each item	Total
Brake blocks	4	£4.12	£16.48
Brake cables	2	£5.68	£ 11.36
Pedals	2	£ 22.99	£45.98
Labour charge $1\frac{1}{2}$ hours at £12.00 an hour			£ 18
Total			£ 91.82

(Total 4 marks)

5.

Cinema tickets	
Adult ticket:	£8.65
Child ticket:	£4.90
Senior ticket:	£5.85

Tony buys one child ticket and one senior ticket.

- (a) Work out the total cost.

$$4.90 + 5.85$$

$$= 10.75$$

£ 10.75

(1)

Stephanie buys adult tickets only.

The total cost is £60.55 → 6055p

- (b) How many adult tickets does she buy?

$$6055 \div 865$$

$$= 7$$

7

(2)

Kamala buys one adult ticket and two child tickets.

She pays with a £20 note.

- (c) How much change should she get?

$$8.65 + 4.90 + 4.90$$

$$= 18.45$$

£ 1.55

$$20 - 18.45 = 1.55$$

(3)

(Total 6 marks)

6. Kaysha has a part-time job.
She is paid £5.40 for each hour she works.
Last week Kaysha worked for 24 hours.

$$£5.40 = 540p$$

$$12960p = £129.60$$

Work out Kaysha's total pay for last week.

$$\begin{array}{r} 540 \\ \times 24 \\ \hline 2160 \\ 10800 \\ \hline 12960 \end{array}$$

$$£ 129.60$$

(Total 3 marks)

7.

Joe's Cafe	
Prices	
Cup of Tea	70p
Cup of Coffee	85p
Can of Cola	75p
Cheese Roll	£1.60
Sandwich	£1.35

Jonathan buys a can of cola and a cheese roll.

- (a) Work out the total cost.

$$75p + £1.60 = £2.35$$

$$£ 2.35$$

(1)

Sachin buys a cup of tea, a cup of coffee and 2 sandwiches.

- (b) Work out the total cost.

$$70p + 85p + £1.35 + £1.35 = £4.25$$

$$£ 4.25$$

(2)

75p 85p £1.35
/ / /

Kim buys a can of cola, a cup of coffee and a sandwich.
She pays with a £5 note.

(c) Work out how much change she should get.

$$75p + 85p + £1.35 = £2.95$$


£ 2.05

$$£5 - £2.95 = £2.05$$

(3)

(Total 6 marks)

8. Complete this bill.

<div>  <div>Gary's Auto Repairs</div> </div>			
Description	Number	Cost of each item	Total
Spark plug	4	£2.50	£10.00
Wiper blade	2	£1.50	£ 3
Light bulb	2	£ 2.50	£ 5.00
Labour charge 1½ hours at £ 16.00 an hour			£ 24
Total cost			£ 42

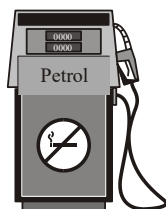
(Total 4 marks)

9. The cost of 20 litres of petrol is £18
Work out the cost of 1 litre of petrol.

$$20L = £18$$

$$10L = £9$$

$$1L = £0.90$$



£0.90

(Total 3 marks)

10.

<i>Pete's Cafe</i>	
Prices	
Cup of Tea	75p
Cup of Coffee	85p
Can of Cola	75p
Cheese Roll	£1.70
Sandwich	£1.35

Joe buys a can of cola and a cheese roll.

(a) Work out the total cost.

$$75p + £1.70$$

$$= £2.45$$

$$£2.45 \dots\dots\dots (1)$$

Susan buys **two** cups of tea and **one** sandwich

(b) Work out the total cost.

$$75p + 75p + £1.35$$

$$= £2.85$$

$$£2.85 \dots\dots\dots (2)$$

Kim buys a cup of coffee and a cheese roll.

She pays with a £5 note.

(c) How much change should she get?

$$85p + £1.70 = £2.55$$

$$£5 - £2.55$$

$$= £2.45$$

$$£2.45 \dots\dots\dots$$

(2)

(Total 5 marks)

11. Enzo makes pizzas.



One day he makes 36 pizzas.

He charges £2.45 for each pizza.

(a) Work out the total amount he charges for 36 pizzas.

$\rightarrow 245P$

$$\begin{array}{r}
 \begin{array}{r}
 \overset{2}{\overset{4}{\overset{5}{\times}}} \\
 \times \quad \quad 36 \\
 \hline
 1470 \\
 + 7350 \\
 \hline
 8820
 \end{array}
 \end{array}$$

= 8820p
= £88.20

£ 88.20

(3)

Mario delivers pizzas.

He is paid 65p for each pizza he delivers.

One day he was paid £27.30 for delivering pizzas.

(b) How many pizzas did Mario deliver?

$\rightarrow 2730P$

$$\begin{array}{r}
 \begin{array}{r}
 \begin{array}{r}
 0042 \\
 65 \overline{) 2730} \\
 \underline{- 260} \quad \downarrow \\
 130 \\
 \underline{- 130} \\
 0
 \end{array}
 \end{array}
 \end{array}$$

42 pizzas

(3)

(Total 6 marks)

$$\begin{array}{r}
 65 \\
 130 \\
 195 \\
 260 \\
 325 \\
 390 \\
 455
 \end{array}$$

= 42