

Money Problems – Long Questions

Q1. The cost of a litre of petrol in Hong Kong is 17.50 Hong Kong dollars (\$).

Chen buys 25 litres of petrol in Hong Kong.

The only money he has to pay with are \$50 notes.

(a) What is the smallest number of \$50 notes he needs?

.....
(3)

He pays with the smallest number of \$50 notes.

(b) Work out how much change he should get.

\$
(2)
(Total for question = 5 marks)

Q2.At a school fete, Colin is selling drinks.
He sells tea, coffee and juice.
Marion is selling food.
She sells burgers and pizzas.
Jenson buys one drink and one food item.

(a) Write down all the possible combinations Jenson can buy.

.....
.....
.....

(2)

Each burger costs £1.65
Each pizza costs £3.10

Caroline buys 3 burgers and 4 pizzas.

She pays with a £20 note.

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

£

(3)

(Total for question = 5 marks)

Q3. Kamal sells 240 ice creams for a total of \$640

$\frac{1}{3}$ of the ice creams he sells are large.

The cost of each large ice cream he sells is \$3.80

All the other ice creams he sells are small.
He sells each small ice cream for the same cost.

Work out the cost of each small ice cream.

\$

(Total for question = 4 marks)

Q4.

Carmel is working out the cost of using her mobile phone in March.

Here is the information that she uses.

Calls	465 minutes	(first 400 minutes free)
Texts	1740 messages	(first 1500 messages free)
<u>Costs</u>		
Monthly charge	\$20.75	
Calls	\$0.10 per minute	
Texts	\$0.05 each message	

Work out the total cost that Carmel has to pay for using her mobile phone in March.

\$

(Total for question = 4 marks)

Q5.

Megan buys 2 muffins and 1 carrot cake.
The total cost is £4.74

The cost of the carrot cake is £1.80

(a) Find the cost of each muffin.

(3)

Caitlin buys some apples and some oranges.
She buys twice as many apples as oranges.

Each apple costs £0.25
Each orange costs £0.30

Caitlin has £5 to spend.

(b) Find the greatest number of apples she can buy.

(3)

(Total for question = 6 marks)

Q6.

Michael, Julie and Alison went to eat in a restaurant.

The total cost of their meals was \$120

Michael paid $\frac{1}{6}$ of the total cost.

Julie paid 35% of the total cost.

Alison paid the rest of the total cost.

Work out how much Alison paid.

\$

(Total for question = 4 marks)

Q7.

Timothy buys

two loaves of bread at \$2.43 each

one jar of jam at \$2.29

$\frac{1}{2}$ kg of cheese at \$9.54 per kg

Timothy pays with a \$20 note.

How much change should Timothy get?

\$

(Total for question = 3 marks)

Q8.

Kim bought 12 boxes of drinks.
He paid \$15 for each box.
There were 12 drinks in each box.

Kim sold $\frac{3}{4}$ of the drinks for \$1.50 each.

He sold all of the other drinks at a reduced price.

He made an overall profit of 15%.

Work out how much Kim sold each reduced price drink for.

\$

(Total for Question is 4 marks)

Q9.

George buys

1 pad of paper at £2.50

1 ruler at £1.25

3 identical pens

George pays with a £10 note.

He gets £1.30 change.

Work out the cost of one pen.

£

(Total for question = 3 marks)