

Exchange Rates & Best Buys

Exchange Rates / Best Buys

Easy (10 questions)	/30
Medium (12 questions)	/34
Hard (10 questions)	/37
Total Marks	/101

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Easy Questions

- 1 Plants are sold in three different sizes of tray.

A small tray of 30 plants costs £6.50

A medium tray of 40 plants costs £8.95

A large tray of 50 plants costs £10.99

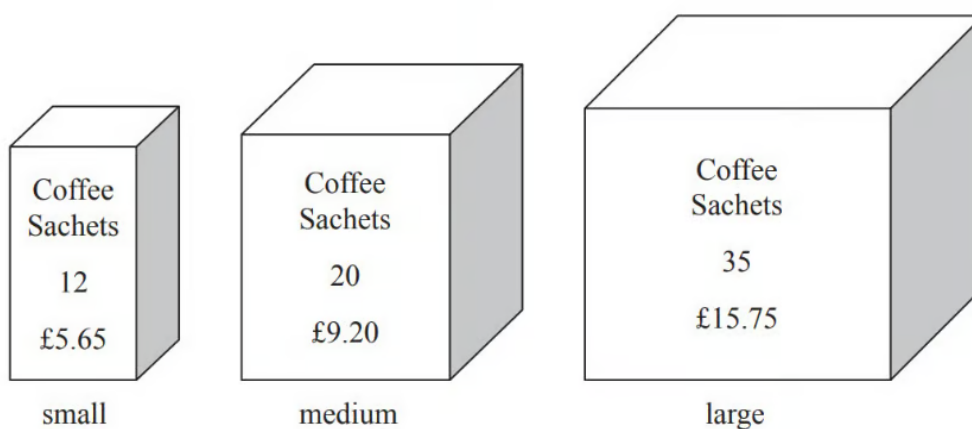
Kaz wants to buy the tray of plants that is the best value for money.

Which size tray of plants should she buy?

You must show all your working.

(4 marks)

- 2 Coffee sachets are sold in three different sizes of box.



A small box has 12 coffee sachets and costs £5.65

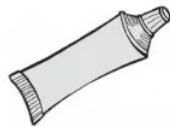
A medium box has 20 coffee sachets and costs £9.20

A large box has 35 coffee sachets and costs £15.75

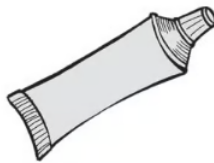
Work out which size of box gives the best value for money.
You must show all your working.

(4 marks)

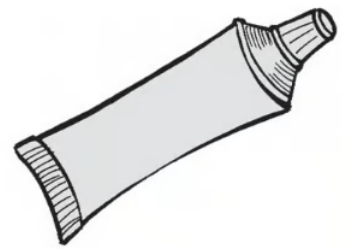
3 Toothpaste is sold in three different sizes of tube.



50 ml



75 ml



125 ml

A 50 ml tube costs £ 1.09
A 75 ml tube costs £ 1.68
A 125 ml tube costs £ 2.69

Which tube of toothpaste is the best value for money?
You must show all your working.

(4 marks)

4 A shop sells bags of crisps in different size packs.

There are

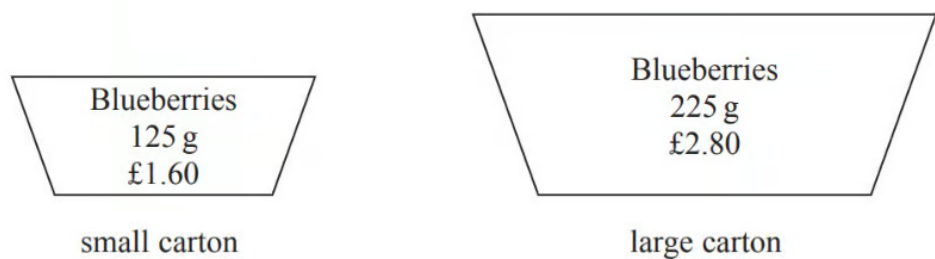
18 bags of crisps in a small pack
20 bags of crisps in a medium pack
26 bags of crisps in a large pack



Which size pack is the best value for money?
You must show all your working.

(4 marks)

5 Blueberries are sold in small cartons and in large cartons.



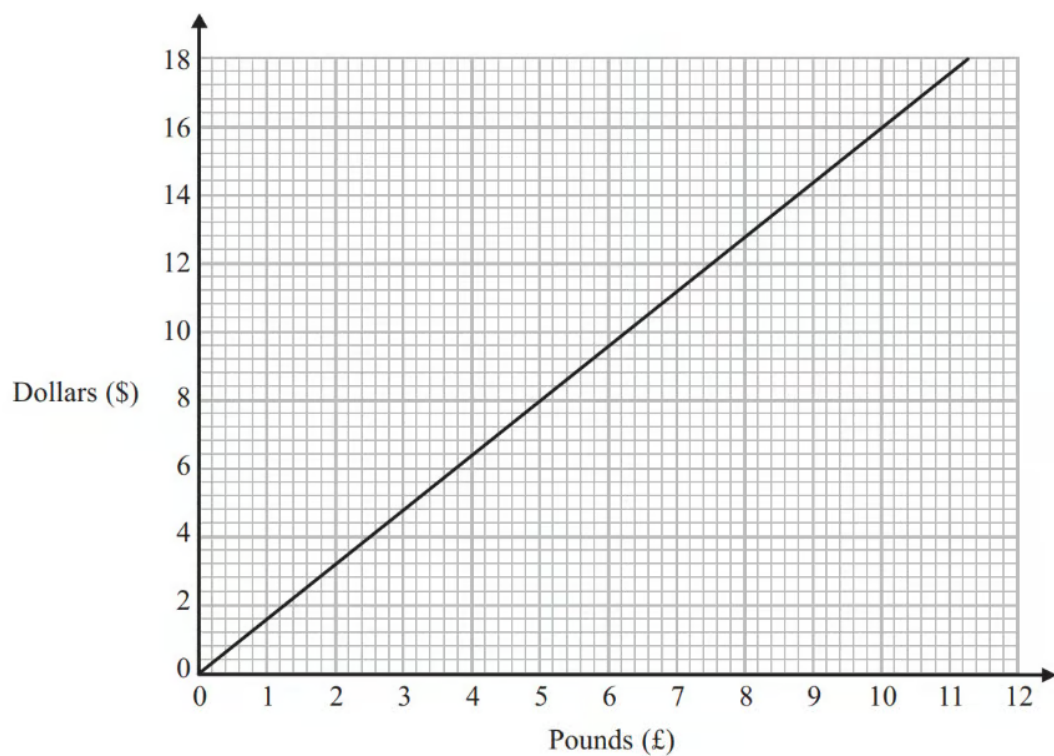
There are 125 g of blueberries in a small carton.
Each small carton costs £1.60

There are 225 g of blueberries in a large carton.
Each large carton costs £2.80

Which size of carton is the better value for money?
You must show your working.

(3 marks)

6 (a) You can use this conversion graph to change between pounds (£) and dollars (\$).



Use the conversion graph to change £5 to dollars.

(1 mark)

(b) Ella has \$200 and £800
Her hotel bill is \$600

Ella pays the bill with the \$200 and some of the pounds.

Use the conversion graph to work out how many pounds she has left.

(4 marks)

- 7** Thor changes 40 000 Icelandic Krona into dollars when the exchange rate is 1 krona = \$0.0099.

Work out how many dollars he receives.

\$

(1 mark)

- 8** Rashid changes 30 000 rupees to dollars when the exchange rate is \$1 = 68.14 rupees.

How many dollars does he receive?

\$

(2 marks)

- 9** Karel changed \$300 into 3891 Namibian dollars.

Complete the statement.

\$1 = Namibian dollars

(1 mark)

- 10** Adele changes \$306 into euros (€) when the exchange rate is €1 = \$1.125.

Calculate the number of euros she receives.

€

(2 marks)

Medium Questions

- 1 Potatoes cost £9 for a 12.5 kg bag at a farm shop.

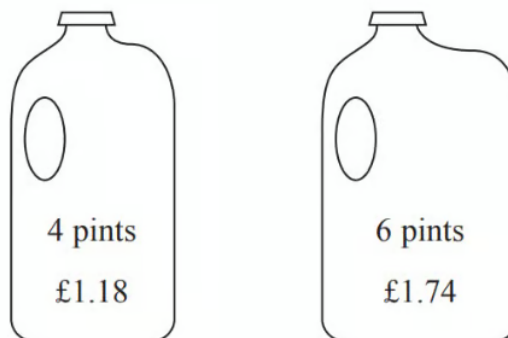
The same type of potatoes cost £1.83 for a 2.5 kg bag at a supermarket.

Where are the potatoes the better value, at the farm shop or at the supermarket?

You must show your working.

(4 marks)

- 2 Milk is sold in two sizes of bottle.



A 4 pint bottle of milk costs £1 .18

A 6 pint bottle of milk costs £1 .74

Which bottle of milk is the best value for money?

You must show all your working.

(3 marks)

- 3** Linda is going on holiday to the Czech Republic.
She needs to change some money into koruna.

She can only change her money into 100 koruna notes.

Linda only wants to change up to £200 into koruna.
She wants as many 100 koruna notes as possible.

The exchange rate is £1 = 25.82 koruna.

How many 100 koruna notes should she get?

(3 marks)

- 4** Ben goes on holiday to Hong Kong.

In Hong Kong, Ben sees a camera costing HK\$3179.55
In London, an identical camera costs £285

The exchange rate is £1 = HK\$12.30

Ben buys the camera in Hong Kong.

How much cheaper is the camera in Hong Kong than in London?

(3 marks)

5 Margaret is on holiday in France.

She buys an English newspaper.

The cost of the newspaper is 5 euros.

In England, the cost of the same newspaper is £2.50

The exchange rate is £1 = 1.16 euros.

Work out the difference between the cost of the newspaper in France and the cost of the newspaper in England.

(3 marks)

6 Colin is on holiday in France. He buys a wallet. The wallet costs 31 euros.

In London a wallet costs £23.50

The exchange rate is £1 = 1.34 euros.

Compare the cost of the wallet in France with the cost of the wallet in London.

(3 marks)

7 (a) Asif is going on holiday to Turkey.

The exchange rate is £1 = 3.5601 lira.

Asif changes £550 to lira.

Work out how many lira he should get.

Give your answer to the nearest lira.

(2 marks)

- (b) Asif sees a pair of shoes in Turkey.
The shoes cost 210 lira.

Asif does not have a calculator.

He uses $\text{£}2 = 7$ lira to work out the approximate cost of the shoes in pounds.

Use $\text{£}2 = 7$ lira to show that the approximate cost of the shoes is $\text{£}60$

(2 marks)

- (c) Is using $\text{£}2 = 7$ lira instead of using $\text{£}1 = 3.5601$ lira a sensible start to Asif's method to work out the cost of the shoes in pounds?

You must give a reason for your answer.

(1 mark)

- 8 A tourist changes \$500 to euros (€) when the exchange rate is $\text{€}1 = \$1.0697$.

Calculate how many euros he receives.

€

(2 marks)

- 9 A new model locomotive costs \$64.

Calculate the cost of the locomotive in rupees when the exchange rate is 1 rupee = \$0.0154.

Give your answer correct to the nearest 10 rupees.

..... rupees

(2 marks)

10 Marianne sells photos.

The selling price of each photo is \$6.

Calculate the selling price of a photo in euros (€) when the exchange rate is €1 = \$1.091 .

€

(2 marks)

11 The Muller family are on holiday in New Zealand.

They change some euros (€) and receive \$1962 (New Zealand dollars).

The exchange rate is €1 = \$1.635 .

Calculate the number of euros they change.

€

(2 marks)

12 A dressmaker charges \$35 or 2300 rupees to make a dress. Calculate the difference in price when the exchange rate is 1 rupee = \$0.0153 .
Give your answer in rupees.

..... rupees

(2 marks)

Hard Questions

- 1 Two shops, Mega Bathrooms and Bathroom Mart, each have a sale.

Mega Bathrooms Sale 60% off normal price then 15% off
--

Bathroom Mart Sale $\frac{2}{3}$ off normal price
--

Sally wants to buy some bathroom units.

The units have a normal price of £1500.

Sally wants to buy the units as cheaply as possible.

Which shop should she buy the units from?

You must show all your working.

(4 marks)

2 Henry is thinking of having a water meter.

These are the two ways he can pay for the water he uses.

Water Meter

A charge of £28.20 per year

plus

91.22p for every cubic
metre of water used

1 cubic metre = 1000 litres

No Water Meter

A charge of £107 per year

Henry uses an average of 180 litres of water each day.

Use this information to determine whether or not Henry should have a water meter.

(5 marks)

- 3** In the UK, petrol cost £1.24 per litre.
In the USA, petrol cost 3.15 dollars per US gallon.

1 US gallon = 3.79 litres

£1 = 1.47 dollars

Was petrol cheaper in the UK or in the USA?

(4 marks)

- 4** Identical pairs of boots are sold in London, in Geneva and in Paris.

These boots have a price of

£115 in London

189 Swiss francs in Geneva

174 euros in Paris

The exchange rates are

£1 = 1.39 Swiss francs

£1 = 1.27 euros

Are the boots the best value for money in London or in Geneva or in Paris?

You must show how you get your answer.

(3 marks)

- 5 In London, 1 litre of petrol costs 108.9p In New York, 1 US gallon of petrol costs \$2.83

1 US gallon = 3.785 litres
£1 = \$1.46

In which city is petrol better value for money, London or New York?
You must show your working.

(3 marks)

- 6 Three companies sell the same type of furniture.

The price of the furniture from Pooles of London is £1480
The price of the furniture from Jardins of Paris is €1980
The price of the furniture from Outways of New York is \$2250

The exchange rates are

£1 = €1.34
£1 = \$1.52

Which company sells this furniture at the lowest price?
You must show how you get your answer.

(3 marks)

- 7 Tom is going to buy 25 plants to make a hedge. Here is information about the cost of buying the plants.

Kirsty's Plants
£2.39 each

Hedge World Pack of 25 £52.50 plus VAT at 20%

Tom wants to buy the 25 plants as cheaply as possible.

Should Tom buy the plants from Kirsty's Plants or from Hedge World?
You must show all your working.

(5 marks)

- 8** Astrid wants to buy some oil.

She can buy the oil from either Dane Oil or Arctic Oil. Here is information about the price that each company will charge Astrid.

Dane Oil	Arctic Oil
(4.2×10^5) litres for 2 500 000 Krone	(8.6×10^5) litres for 770 000 Dollars

Astrid wants to get the better value for money for the oil.

$$1 \text{ Dollar} = 6.57 \text{ Krone}$$

From which company should she buy her oil, Dane Oil or Arctic Oil? You must show your working.

(4 marks)

9 Bottles of drink are for sale at three shops.

The normal price of a bottle is the same at each shop.



What is the cheapest way to buy **exactly** 8 bottles?

You can buy from more than one shop.

You **must** show your working.

(3 marks)

- 10** On holiday Maria paid 2.25 euros for a newspaper when the exchange rate was \$1 = 0.9416 euros.
At home Maria paid \$1.13 for the newspaper.

Calculate the difference in price.

Give your answer in dollars, correct to the nearest cent.

\$

(3 marks)