

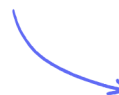
Exam Questions

Exchange Rates & Best Buys

Exchange Rates / Best Buys

Easy (5 questions)	/13
Medium (6 questions)	/13
Hard (7 questions)	/27
Total Marks	/53

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Easy Questions

- 1 Jamie is purchasing bottles of a fizzy drink to sell in his shop.

He compares the prices of the same type of drink from three different suppliers, each of which sells the drinks in different sized packs.

He wants to buy the fizzy drinks with the lowest price per bottle.

The table below shows the number of bottles in the pack, and the price from each supplier

Supplier A	Supplier B	Supplier C
30 bottles	32 bottles	40 bottles
£15.45	£16.50	£20.45

Which shop should Jamie buy the fizzy drinks from?

You must show your working.

(3 marks)

- 2 Alicia runs a restaurant and is buying spaghetti.

She has selected 3 different suppliers and wants to choose the cheapest supplier per kilogram.

The table below shows the prices and masses listed by the 3 different suppliers.

Work out which supplier Bella should select, showing your full working.

Supplier A	Supplier B	Supplier C
£4.82 for 5 kg	9.7p per 100 g	£1.92 for 2 kg

(4 marks)

3 Karen is purchasing batteries.

She wants to purchase **exactly** 60 batteries.

Shop A sells packs of 20 batteries for £14.

Shop B sells packs of 15 batteries for £12.

In Shop B, when 2 packs are purchased, an additional pack is received for free.

Which shop is cheapest for Karen to purchase **exactly** 60 batteries?

(3 marks)

4 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)

- 5 In Tokyo, Jeremy buys a bracelet for 2050 yen.
The exchange rate is 1 yen = \$0.0125 .

Calculate the price of the bracelet in dollars.
Give your answer correct to the nearest dollar.

\$

(2 marks)

Medium Questions

- 1 Sean is the manager of a museum.

He buys a Chinese pot costing 1200 yuan.

The exchange rate is $\$1 = 6.4$ yuan.

Work out the cost of this pot in dollars.

\$

(1 mark)

- 2 Levante changes 24650 Hungarian forints to dollars.

The exchange rate is $\$1 = 290$ forints.

Calculate how many dollars Levante receives.

\$

(2 marks)

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

How many dollars does he receive?

\$

(2 marks)

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

Calculate how many euros he receives.

€

(2 marks)

5 Complete this bill.

2.5 kg potatoes at \$1.12 per kg	\$
..... kg bananas at \$1.05 per kg	\$
Total =	\$ 4.69

(3 marks)

6 A shop sells bags of compost in three different sizes.

Small 30 litres \$5.82

Medium 50 litres \$9.45

Large 75 litres \$14.50

Work out which size of bag gives the best value.
Show how you decide.

(3 marks)

Hard Questions

- 1** A chef buys some cheese from France.
200g of cheese costs 3.45 euros.
The exchange rate is \$1 = 0.84 euros.

Work out the maximum mass of cheese the chef can buy with \$150.
Give your answer in kilograms, correct to 1 decimal place.

..... kg

(4 marks)

- 2** A ticket to a football match costs \$20.

Calculate the cost of the ticket in rupees when the exchange rate is 1 rupee = \$0.016 .

..... rupees

(2 marks)

- 3** Jamie buys a clock from Japan for 9395 yen.
The exchange rate is \$1 = 110.27 yen.

Work out the cost of the clock in dollars, correct to the nearest cent.

\$

(3 marks)

4

\$1 = 0.88 euros

£1 = 1.15 euros

Zach changes \$575 into euros.

He spends 45% of the euros in France.

He changes the euros he does not use into pounds (£) to spend in England.

Work out how many pounds he receives.

£

(4 marks)

- 5 On the internet, Pranay sees a grey jacket for 165 euros (€) and a blue jacket for \$180. These are the exchange rates.

€1 = 76.05 rupees

1 rupee = \$0.0152

Work out which jacket is the cheapest and by how many rupees.

The jacket is cheapest by rupees

(4 marks)

- 6 Rangan buys 3.6 kg of potatoes and 2.8kg of leeks.

The total cost is \$13.72.

Leeks cost \$2.65 per kilogram.

Find the cost of 1 kg of potatoes.

\$.....

(3 marks)

- 7 (a) Mr Razif travels by bus from Singapore to Kuala Lumpur with his wife and his four children.

Ticket Price	
Adult	\$32.40
Child	\$24.40
Family (2 adults and 3 children)	\$115.00

Work out how much Mr Razif saves if he buys a family ticket and one child ticket rather than six individual tickets.

\$

(4 marks)

- (b)** The bus leaves Singapore at 1240 and arrives in Kuala Lumpur at 1735.

Work out, in hours and minutes, the time this journey takes.

..... hmin

(1 mark)

- (c)** Mr Razif changes some dollars into Malaysian ringgits.

He receives 318 ringgits when the exchange rate is \$ 1 = 4. 24 ringgits.

Work out how many dollars he changes.

\$

(2 marks)