1 Gavin bought 3 pairs of jeans in the USA.
He paid a **total** of $72

Gavin sold the 3 pairs of jeans in England.
He sold each pair of jeans for £34.50

£1 = $1.34

Work out Gavin's percentage profit.
Give your answer correct to the nearest whole number.

Finding price he pays for 1 pair :

$$\frac{\$72}{3} = \$24$$

Converting the price to £ :

$$\$24 \times \frac{1£}{\$1.34} = £17.91 \text{ (1 pair)} \quad ①$$

Calculating profit he earns for 1 pair :

$$£34.50 - £17.91 = £16.59 \text{ (1 pair)} \quad ①$$

Calculating his percentage profit :

$$\frac{16.59}{17.91} \times 100\% = 92.6\%$$
$$\quad ① = 93\% \text{ (nearest whole number)} \quad ①$$

93

....%

(Total for Question 1 is 4 marks)

2

1 euro = 9.3 Hong Kong dollars (HKD)
1 euro = 4.4 dirham (AED)

(a) Change 400 euros to Hong Kong dollars.

400 x 9.3 = 3720 ①

3720

.... HKD

(1)

(b) Change 418 dirham to euros.

$\frac{418}{4.4}$ = 95 ①

95

.... euros

(1)

(c) Change 651 Hong Kong dollars to dirham.

HKD to euro : $\frac{651}{9.3}$ = 70 ①

euro to dirham : 70 x 4.4 = 308 ①

308

....AED

(2)

(Total for Question 2 is 4 marks)

3 The cost of a mobile phone in the UK is £350
The cost of an identical mobile phone in India is 28 938 rupees.

The exchange rate is £1 = 91 rupees.

The cost of the mobile phone in the UK is more than the cost of the mobile phone in India.

Work out how much more.

Convert cost in UK to rupees :

350 × 91 = 31 850 ①

31 850 − 28 938 = 2912 ①
①

2912 rupees

(Total for Question 3 is 3 marks)

4 In Berlin, a watch costs 120 euros.
In Dubai, the same model of watch costs 600 dirhams.

The currency exchange rates are

Exchange rates
£1 = 1.16 euros
1 dirham = 0.24 euros

Calculate the difference between the cost of the watch in Berlin and the cost of the same model of watch in Dubai.
Give your answer in pounds (£) correct to 2 decimal places.

Berlin : $\dfrac{120}{1.16}$ = 103.45 ①

Dubai : $\dfrac{600 \times 0.24}{1.16}$ = 124.14 ①

Difference : 124.14 − 103.45 ①

= 20.69 ①

£ ....20.69........

(Total for Question 4 is 4 marks)

5 Elvira and Anja go on holiday to Sweden and to Finland.

In Sweden, Elvira bought some trainers for 438 Swedish krona.
In Finland, Anja bought the same type of trainers for 44.39 euros.

1 Swedish krona = 0.12 dollars

1 dollar   = 0.92 euros

Work out the difference in the cost of the trainers bought by Elvira and the trainers bought by Anja.
Give your answer in dollars.

$438 \times 0.12 = 52.56$ dollars ①

$44.39 \div 0.92 = 48.25$ dollars ①

$52.56 - 48.25 = 4.31$ dollars
             ①   ①

4.31 .... dollars

(Total for Question 5 is 4 marks)

6 Ingrid buys a bag in Sweden.

The price of the bag is 1342 Swedish Krona.
The price of an identical bag in Finland is 125 euros.

Using an exchange rate of

1 euro = 11 Swedish Krona

work out how much cheaper the bag is in Sweden than it is in Finland.
You must give the units of your answer.

In euros :

In Finland : $\dfrac{1342}{11}$ = 122 ①

125 - 122 = 3 euros
①

3 ① euros

(Total for Question 6 is 3 marks)

7 Hermann changed £500 into euros.
The exchange rate was £1 = 1.18 euros.

(a) Work out how much money, in euros, Hermann received.

$$500 \times 1.18 = 590$$

.... euros

(2)

Anita changed \$350 into pounds (£)
The exchange rate was £1 = \$1.40

(b) Work out how much money, in pounds (£), Anita received.

$$\frac{350}{1.40} = 250$$

£ 250

(2)

(Total for Question 7 is 4 marks)

8 Gerhard is travelling from Zurich to Munich.

The table shows the exchange rate in each city.

Zurich	Munich
1 Swiss franc = 0.90 euros	1 euro = 1.08 Swiss francs

Gerhard wants to change 1620 Swiss francs to euros.

He would receive more euros if he changes his Swiss francs in Munich than he would receive if he changes his Swiss francs in Zurich.

How many more?

Zurich : 1620 x 0.90 = 1458 euros ①

Munich : 1620 ÷ 1.08 = 1500 euros ①

difference : 1500 − 1458 = 42 euros
① ①

42

.... euros

(Total for Question 8 is 4 marks)

9

1 dollar = 0.85 euros
1 dollar = 6.45 yuan

(a) Change 720 dollars to euros.

$720 \times 0.85 = 612$

612 ①

.... euros

(1)

(b) Change 2580 yuan to euros.

$$\frac{2580}{6.45} \times 0.85$$ ①

$= 400 \times 0.85$

$= 340$ ①

340

.... euros

(2)

(Total for Question 9 is 3 marks)