

- 1 Sheila can pay her hotel bill in Euros (€) or Pounds (£).  
The bill was €425 or £365 when the exchange rate was £1 = €1.14 .

In which currency was the bill cheaper?  
Show all your working.

$$£ 1 = € 1.14$$

$$£ 365 = x$$

$$x = \frac{1.14}{1} \cdot 365$$

$$= € 416.1$$

Answer ..... Pounds ..... [2]

- 2 The Ocean View Hotel has 300 rooms numbered from 100 to 399.  
A room is chosen at random.

Find the probability that the room number ends in zero.

100	150	200	250	300	350	} 30 numbers
110	160	210	260	310	360	
120	170	220	270	320	370	
130	180	230	280	330	380	
140	190	240	290	340	390	

Answer .....  $\frac{30}{300}$  ..... [2]

- 3 The time in Lisbon is the same as the time in Funchal.  
A plane left Lisbon at 0830 and arrived in Funchal at 1020.  
It then left Funchal at 1255 and returned to Lisbon.  
The return journey took 15 minutes more.

What time did the plane arrive in Lisbon?

$$\begin{array}{r} 10.20 \\ 08.30 - \\ \hline \end{array} \rightarrow \begin{array}{r} 09.80 \\ 08.30 - \\ \hline 01.50 \end{array} \quad \begin{array}{r} 12.55 \\ 01.50 \\ 00.15 + \\ \hline 13.120 \\ = 15.00 \end{array}$$

Answer ..... 15.00 ..... [2]