

- \*1. Petra booked a family holiday.

The total cost of the holiday was £3500 plus VAT at 20%.

Petra paid £900 of the total cost when she booked the holiday.  
She paid the rest of the total cost in 6 equal monthly payments.

Work out the amount of each monthly payment.

.....  
(Total 5 marks)

- \*2. (a) Write 168 as a product of its prime factors.  
You must show your working.

.....  
(3)

(b) Find the highest common factor (HCF) of 168 and 180

.....  
(2)  
**(Total 5 marks)**

- \*3. Buses to Ashby leave a bus station every 24 minutes.  
Buses to Barford leave the same bus station every 20 minutes.  
A bus to Ashby and a bus to Barford both leave the bus station at 7 30 am.

When will a bus to Ashby and a bus to Barford next leave the bus station at the same time?

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**(Total 3 marks)**