4 Ella sells jars of jam, jars of honey and jars of chutney from her market stall.

On Thursday, the total number of jars she sold was 320
55% of the jars were jars of jam.

The ratio of the number of jars of honey to the number of jars of chutney that Ella sold on Thursday was 5 : 3

(a) Calculate the number of jars of chutney that Ella sold on Thursday.

(4)

On Friday, Ella sold 99 jars of strawberry jam.

This was $\dfrac{9}{20}$ of the total number of jars of jam that she sold on Friday.

The number of jars of jam that Ella sold increased from Thursday to Friday.

Given that this increase = $\dfrac{1}{n}$ × the number of jars of jam that Ella sold on Thursday,

(b) find the value of *n*.

(3)

Ella increases the price of a jar of jam from 3.20 euros to 3.50 euros.

(c) Calculate the percentage increase in the price of a jar of jam.

(2)

Ella increases the price of a jar of honey by 6.25%
The price of a jar of honey after the price increase is 5.10 euros.

(d) Calculate the price of a jar of honey before the price increase.

(3)

P 6 6 0 2 2 R A 0 8 3 2

Question 4 continued

(Total for Question 4 is 12 marks)