

- 10** Zahur made 250 cakes to sell at a cake sale.  
Of the cakes made by Zahur, 28% were chocolate cakes.

(a) Calculate the number of chocolate cakes made by Zahur.

(2)

All the other cakes made by Zahur were either lemon cakes or vanilla cakes.  
The ratio of the number of lemon cakes to the number of vanilla cakes was 4:5

(b) Calculate the number of lemon cakes made by Zahur.

(2)

Zahur put icing on each of the vanilla cakes he made.  
The icing for each vanilla cake needed 75 g of icing sugar.

(c) Calculate the total amount, in kg, of icing sugar needed for all the vanilla cakes made  
by Zahur.

(2)

At the start of the cake sale, the selling price of each of the cakes made by Zahur was \$4  
and he sold 204 cakes at this price.

Zahur then reduced the selling price of each cake by 30% and he sold all the remaining  
cakes.

(d) Calculate the total amount of money, in \$, that Zahur received by selling all 250 cakes.

(3)

When Zahur had subtracted the cost of all the ingredients he needed to make his cakes  
from the total amount of money he received by selling all the cakes, he found that he had  
made a profit of 60%

(e) Calculate, in \$, the cost of all the ingredients Zahur needed.

(3)



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**(Total for Question 10 is 12 marks)**



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