

- 2 Each year the students at a college organise a music concert.

In 2017, the total cost of organising the concert was \$675

In 2018, the total cost of organising the concert was 20% more than the total cost in 2017

- (a) Calculate the total cost of organising the concert in 2018

(2)

The tickets sold each year were either adult tickets or student tickets.

In 2019, the total number of tickets sold was 385

In 2019, the number of adult tickets sold and the number of student tickets sold were in the ratio

$$\text{number of adult tickets} : \text{number of student tickets} = 19 : 16$$

- (b) Calculate the number of adult tickets sold in 2019

(2)

In 2019, the price of each adult ticket sold was \$8.50 and the price of each student ticket sold was \$4.50

- (c) Calculate the total amount of money, in \$, received for all the tickets sold in 2019

(2)

In 2019, the total cost of organising the concert was double the total cost in 2017

- (d) Calculate the percentage profit made in 2019

Give your answer to 1 decimal place.

(2)



Question 2 continued

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(Total for Question 2 is 8 marks)