

Answer ALL TWELVE questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

- 1** Rory buys and sells jewellery.

Rory buys a necklace for \$180
He sells the necklace for \$230

- (a) Calculate, to 3 significant figures, Rory's percentage profit.

(2)

Rory sells a bracelet for \$203
This price represents a 16% profit on his cost price.

- (b) Calculate the cost price of the bracelet.

(2)

Rory travelled by plane from New York to Dubai to buy some jewellery.

The total flight time for the journey was 12 hours 48 minutes.
The average speed for the journey was 860km/h

- (c) Calculate the total distance, in kilometres, travelled by the plane.

(3)

Rory bought some earrings for a total cost of 91 750 dirhams.

Using the exchange rate,

$$\boxed{1 \text{ dollar} = 3.67 \text{ dirhams}}$$

- (d) calculate the total cost of the earrings in dollars.

(2)



Question 1 continued

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P 7 2 4 8 0 A 0 3 3 3 6

(Total for Question 1 is 9 marks)