



- Mr Chan flies from London to Los Angeles, a distance of 8800 km. The flight takes 11 hours and 10 minutes.
- (a) (i) His plane leaves London at 0935 local time. The local time in Los Angeles is 8 hours behind the time in London.

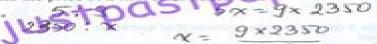
Calculate the local time when the plane arrives in Los Angeles.

12:45

Work out the average speed of the plane in km/h.

- (b) There are three types of tickets, economy, business and first class. The price of these tickets is in the ratio economy: business: first class = 2:5:9.
  - The price of a business ticket is \$2350.

Calculate the price of a first class ficke



Work out the price of an economy ticket as a percentage of the price of a first class ticket.

$$\frac{2}{9} = 0.2 = 22.2\%$$
 22.2 %[1

- (c) The price of a business ticket for the same journey with another airline is \$2240.
  - NP = 170 /= 1.4 The price of a first class ticket is 70% more than a business ticket.

Calculate the price of this first class ticket.

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**Robert Barclay** 

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