Holiday Homework

Class: IG – I   **Subject: Mathematics**

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1. Calculate the missing number from the simple interest table below:

Principal ($)	Rate (%)	Time (Years)	Interest ($)
300	6	4	(a)
250	(b)	3	60
480	5	(c)	96
650	(d)	8	390
(e)	3.75	4	187.5

2. A car leaves Gramton at 16:39. It travels a distance of 315km and arrives at Halfield at 20:09.

   a) How long does the journey take?

   b) What is car's average speed?

3. An electrician has bought five broken washing machines for at $550. He repaired and sold them for $143 each. Find out the percentage profit.

4. A car is bought for $12500. Its value depreciates by 15% per year. Calculate its value after one year and two year. After how many years the worth of the car is $1000?

5. How many years will it take a debt to triple at 30% p.a. compound interest?

6. A car loses its value at the rate of 20% each year. How long will it take for its value to quarter?

7. A plane travels 270km at 120km/h. How long does the journey take? Give the answer in hours and minutes.