2007

1 (a) Convert 164 miles to kilometres, taking 5 miles to be equal to 8 kilometres.

   (b) €8500 was invested for 2 years at compound interest.
      (i)   The rate of interest for the first year was 4%.
            Find the amount of the investment at the end of the first year.

      (ii) The amount of the investment at the end of the second year was €9237·80.
            Find the rate of interest for the second year.

   (c) The table shows the hours Alan worked over four days.

Day	Thursday	Friday	Saturday	Sunday
Hours worked	9	9	9·5	h

   Alan's basic rate of pay is €15·60 per hour.
   He is paid one and a half times the basic rate for work on Saturday and Sunday.
   (i)   Calculate Alan's total pay for Thursday, Friday and Saturday.

   (ii) Alan was paid a total of €702 for the four days' work.
         Find h, the number of hours Alan worked on Sunday.

ANSWERS
1 (a) 262.4 km
   (b) (i) €8,840   (ii) 4.5%
   (c) (i) €503.10   (ii) 8.5 hours