Ex 3 Time, Distance, Speed

Section A (Non-calculator)

1   Work out –   a)   36 x 17
                   b)   30% of £73
                   c)   4·3 – 7·2 + 5·36
                   d)   1·254 ÷ 6

Section B (Knowledge)

> Only use your calculator if you need to!

2   Calculate the distance, speed and time in the examples below.
     a) Speed 35km/h   b) Time 60s   c) Distance 84km
         Time 5¼ hours   Distance 300m   Speed 24 km/h
         Distance ?   Speed ?   Time ?

3   Jackie drove the 340 km from Glasgow to Manchester in 8 hours, and back
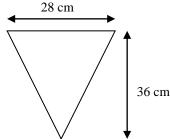   again in 5 hours.
     Calculate the average speed of her journey :
     a) going   b) returning   c) there and back.

4   Three friends set off on an 720 kilometre journey. They travel at an average
     speed of 75 kilometres per hour. How long will the journey take?
     Give your answer in hours and minutes.

Section C (Mixed)

5   The diagram below shows a triangular flag which is 28 centimetres across and
     36 centimetres long.

     Calculate the area of the flag.

6   Solve –

     a) $3x + 2 = 23$ b) $2(h + 5) = 34$

     c) $8 – y = 2y + 5$ d) $3(t + 2) = 2(t – 1)$

7   Lynsey runs three times around

     the running track shown.

     Calculate the distance she has ran.