



MNU 4-10a

Homework 3

Gold Level



## Outcome 1 - Calculating distance, speed and time with context questions

Complete the following calculations...



1

An overnight ferry left Newcastle at 1700 and arrived in Amsterdam at 0930 the next morning. The distance from Newcastle to Amsterdam is 313.5 miles.

What was the average speed of the ferry?



2

Robert runs a 10 km race at an average speed of 2 metres per second. How long does he take to run the race? Give his time in hours, minutes and seconds.



3

Tom flies from Edinburgh to Tokyo for a business meeting on the 7<sup>th</sup> November.

- The plane leaves Edinburgh at 0830.
- The distance from Edinburgh to New York is 5360 miles.
- The plane flew at an average speed of 400 m.p.h.
- Tokyo is 8 hours ahead of Edinburgh.

What day and time did Tom arrive in Tokyo?



4

Helen drove 294 miles from Birmingham to Paisley in 4 hours and 48 minutes.

During the first part of her journey she drove for 3 hrs at an average speed of 65 miles per hour.

Find the average speed, in miles per hour, for the rest of her journey.

