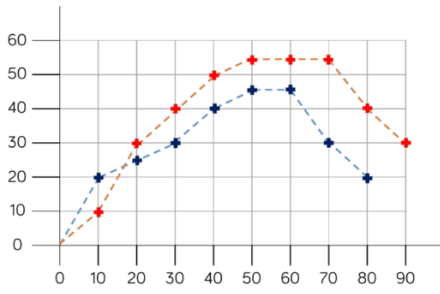# Tuesday 23rd June Challenge with Answers

What could this graph be showing?
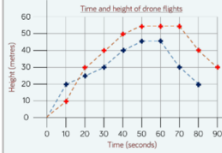

Label the horizontal and vertical axes to show this.

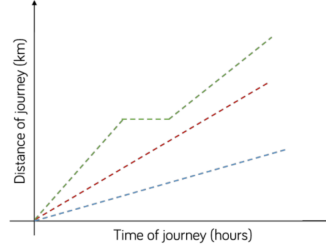Is there more than one way to label the axes?

The graph below shows some of Mr Woolley's journeys.

What is the same and what is different about each of these journeys?
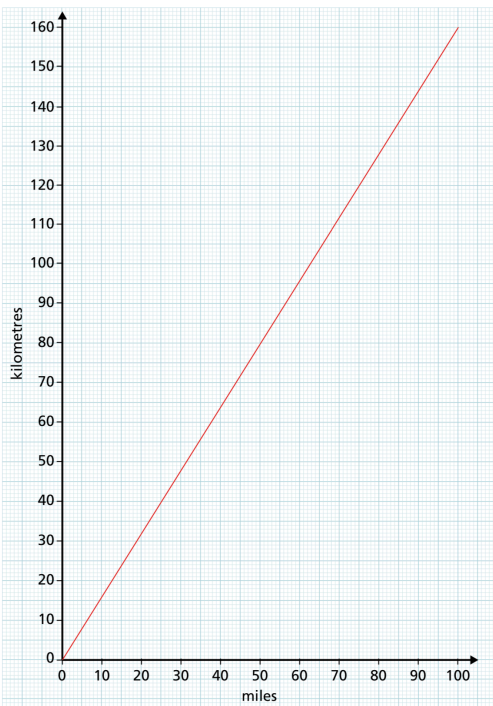
What might have happened during the green journey?

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3 The graph shows the conversion between miles and kilometres.
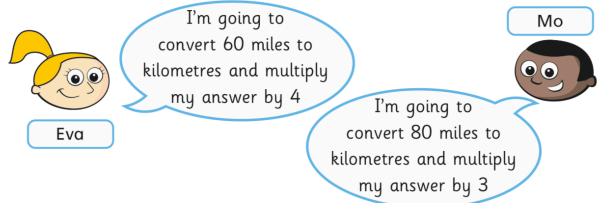

a) How many kilometres are there in 45 miles? 71 km

b) How many miles are there in 128 kilometres? 80 miles

c) Mo and Eva want to know how far 240 miles is in kilometres.

> Eva: I'm going to convert 60 miles to kilometres and multiply my answer by 4

> Mo: I'm going to convert 80 miles to kilometres and multiply my answer by 3

Who will find the correct answer? __Both__

Explain why.

Convert 240 miles to kilometres.

384 km

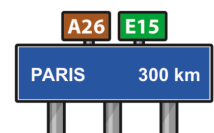**d)** A coach driver can drive a maximum of 400 miles in one day.

A coach driver is driving from Birmingham to Paris.

He gets a ferry from Dover in England to Calais in France.

In Dover he sees a sign.

M20
Birmingham 200 miles

In Calais he sees a sign.

A26 E15
PARIS 300 km

Is the coach driver allowed to drive from Birmingham to Paris in one day?

__Yes__