Problem of the Week
Problem A
Ups and Downs

Graham rides his bike to school. He takes a different route home. On the way to school he rides up a hill for 500 metres, then he rides on a flat section for 3 kilometres, and then he rides downhill for 1 kilometre. On his way home he rides on a flat section for 250 metres, then he rides uphill for 750 metres, followed by another flat section for 2 kilometres, then downhill for 2 kilometres, and finally on a flat section for 500 metres.

A) How far does Graham ride to and from school every day?

B) What fraction of the total distance travelled in one day is Graham riding downhill?