



Numerical Answers (1) 956.25cm<sup>2</sup> (2) 676 & 693 (3) 9.5 km/h (4) 125 boxes

4.

Tiles are laid end to end without any gaps along one edge of a driveway. The length of each tile is 8.5cm correct to the nearest millimetre. The length of the driveway is 126 metres correct to the nearest metre. The tiles are sold in boxes of 12 tiles.

Calculate the greatest number of boxes of tiles that would be needed. [5]

3.

One Saturday, Ben and Sara each record the distance and time of their cycle rides. In 2 hours, Ben cycles 44km, measured correct to the nearest 2 km. In 3 hours, Sara cycles 40km, measured correct to the nearest 2km. Calculate, in km/h, the greatest possible difference between Ben's average speed and Sara's average speed. [4]