



Problem of the Week

Problem B

Stamp it Out

Evelina is using a wooden block as a stamp to make decorative wrapping paper. The wooden block measures 3 cm by 3 cm by 4 cm and Evelina is stamping with one of the 3 cm by 3 cm square faces of the block.

- (a) Evelina creates a row of 10 stamped squares with a gap of 0.5 cm in between each square. Determine the length of this row.
- (b) Evelina has a square piece of wrapping paper with side length 77.5 cm. She leaves a gap of 0.5 cm around each edge and then creates rows of stamped squares with a gap of 0.5 cm in between each square as well as between each row. How many stamped squares in total will be on this piece of wrapping paper?

