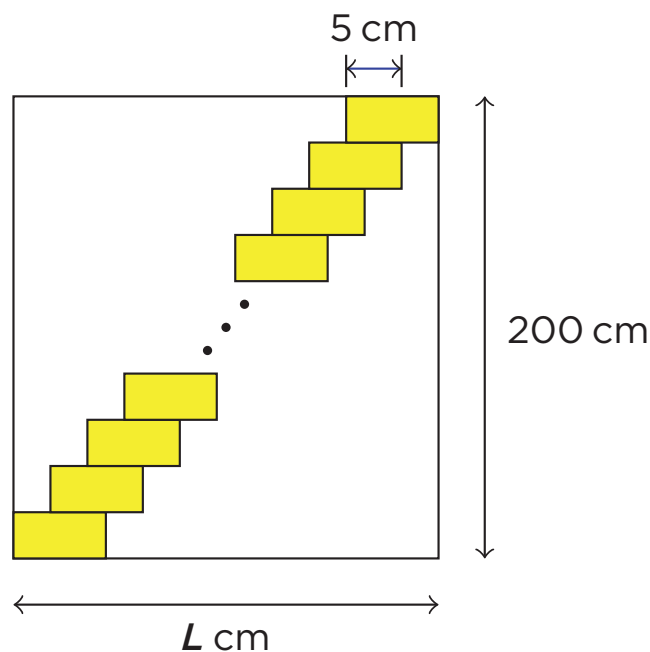


The diagram indicates a pattern of paving blocks that are laid diagonally across a rectangular floor measuring L cm \times 200 cm. Each block measures 8 cm \times 4 cm, and any two blocks that touch overlap by 5 cm.

What is the value of L ?



(A) 253

(B) 155

(C) 400

(D) 250

(E) 158

Be a problem solver.
Check your answer at amt.edu.au

