Question 2   **(4 marks)**
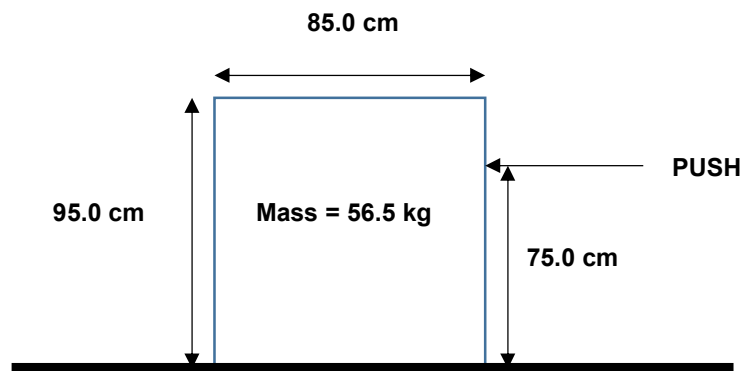
A worker is about to push a uniform wooden box across some concrete. The dimensions of the box are shown below.

The worker will push with a horizontal force at a height of 75.0 cm above the ground. Given that there is sufficient frictional force, calculate the minimum force of friction that would cause the box to rotate forwards.

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