

# Mathematics Problem of the Week

Problem Number: 283

Posted on Monday, September 12, 2016

Deadline: Monday, September 19, 2016 at noon

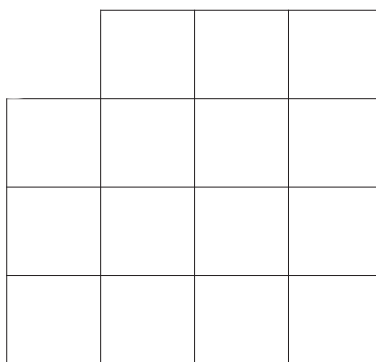
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## Tiling a Floor

Sally wants to tile part of her bathroom. The part that needs tiling and the shape of new tiles that she likes are shown in the figure below.



New tile



The area that needs tiling

Can she tile the floor without having to break any tiles in halves?<sup>1</sup>

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<sup>1</sup>For immediate assistance with this problem, email Asiyeh at [asiyeh.sanaei@kpu.ca](mailto:asiyeh.sanaei@kpu.ca) or Vicky at [siqi.wei@kpu.ca](mailto:siqi.wei@kpu.ca).