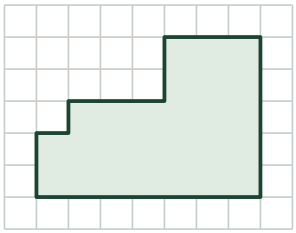
Finding Area by Decomposing

Geometry & Shapes

Name: _____ Date: _____ Grade 6

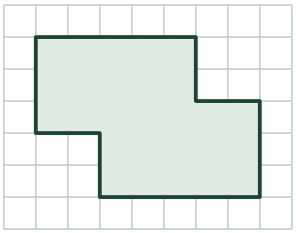
1. Determine the total area of each shaded region. Each square on the grid has an area of 1 square unit.

a



Area: _____

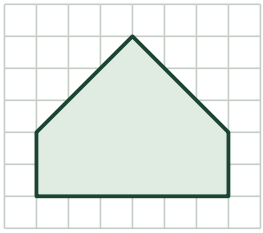
b



Area: _____

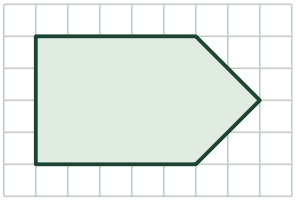
2. Determine the total area of each shaded region. Each square on the grid has an area of 1 square unit.

a



Area: _____

b

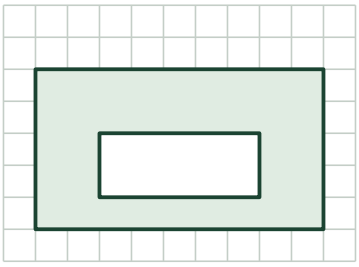


Area: _____

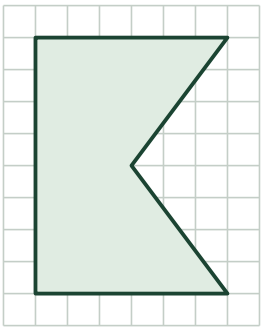
Finding Area by Decomposing

continued

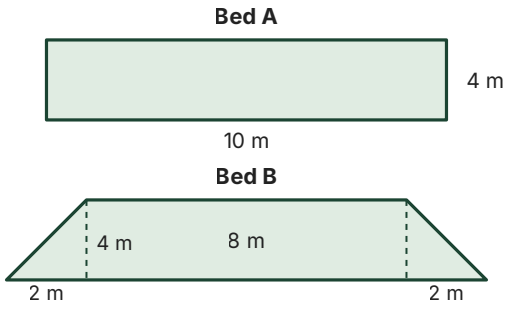
3. Determine the total area of the shaded region. Each side of a grid square is 1 meter.



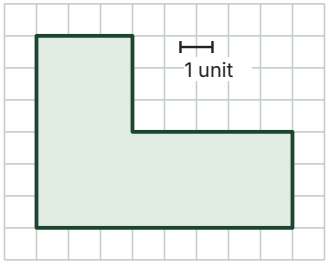
4. Determine the area of the shape. Each square on the grid has an area of 1 square unit.



5. Two flower beds have very different shapes. Lily says both flower beds have the same area. Is Lily correct? Explain your thinking.



6. Marco calculated the area of this figure. His work is shown. Is Marco correct? Explain your thinking.



Marco's work

(8 × 6) − (5 × 2)
= 48 − 10
= 38 square units