

LESSON

Problem Bank

1. Use a geoboard to design a polygon that is not a rectangle and has an area of eight square units. Record your design on dot paper.
2. Can you use grid paper to measure the area of an **obtuse-angled triangle**? Draw obtuse-angled triangles on grid paper to try to find a way to do it. Describe what you discovered.
3. Which province has a greater area: Alberta or Saskatchewan?

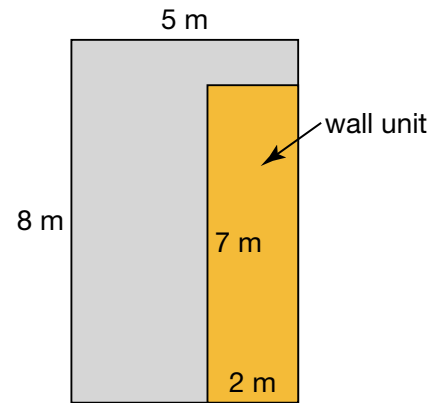


4. a) Draw a rectangle on centimetre grid paper. Make the number of area units the same as the number of perimeter units.
b) Draw a rectangle on centimetre grid paper. Make the number of area units one less than the number of perimeter units.
5. Kaylee is making a wall hanging by gluing square sequins on 1 m^2 of fabric. Each sequin has an area of 1 cm^2 . How many sequins will she need?

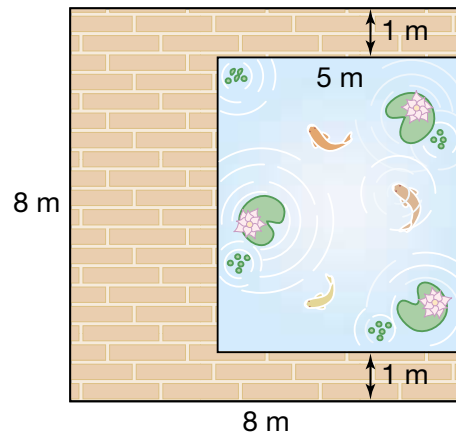


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6. This room is being carpeted.
No carpet is needed under the wall unit.
The carpet comes in a roll 4 m wide.
- What length of carpet is needed?
 - How much carpet will be left over?

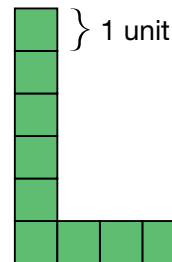


7. Jerome made a patio on three sides of a fish pond. Is the area of the pond greater than or less than the area of the patio?



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8. Louise made a scale model of this letter L. The model had an area of 36 square units. What scale did she use?



9. Frances and Gary each have a gerbil in a cage. One cage is 40 cm by 40 cm and the other cage is 50 cm by 30 cm. They have the cages on a table that is 2 m by 1 m. They want to build a play area on the table between the two cages. What are the length and width of the greatest rectangular play area they can make? Use a model.