

Thirsty Work

Problem One

If you recycle this glass bottle, you get 20 cents back. The full bottle of soft drink costs six times as much as the bottle itself. What is the cost of the soft drink without the bottle?

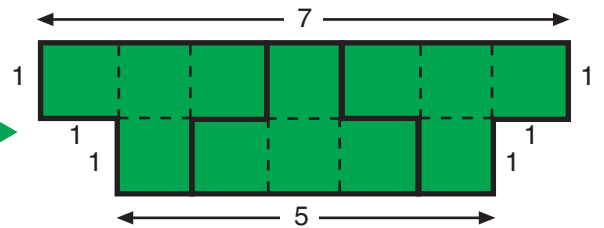
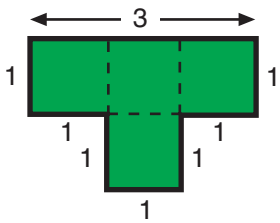


Problem Two

What is the smallest number of pins you would need to pin up 16 notices? You must be able to see the information on every notice, and every notice must have a pin in each corner.



Problem Three

One T has a perimeter of 10 centimetres. Three Ts joined like this have a perimeter of 18 centimetres. What is the perimeter of 10 Ts that are joined together in this way?



Problem Four

Aroha, Beth, Connie, and Delsey played each other in a knockout table tennis tournament. Use this diagram and these clues to find out who won the tournament.

-  Aroha did not play Connie.
-  Beth beat Delsey.

