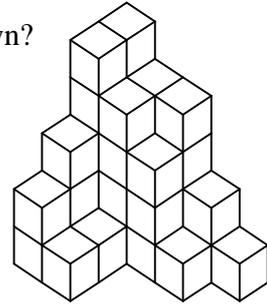# 2006 Middlementary Math Bonanza
Geometry Test Excerpt

1. What is the area, in square centimeters, of a rectangle with sides measuring 8 and 12 cm?

2. How many congruent cubical blocks are needed to build the stack shown?

3. A cube has a surface area of 27 cm^2. What is the surface area, in square centimeters, of a similar cube the edges of which are twice as long as those of the original?

4. What is the area, in square centimeters, of an equilateral triangle with a perimeter of 24 cm?

5. In $\triangle ABC$, $AB = 7$ cm, $BC = 11$ cm, and $AC = 12$ cm. If D lies on $\overline{AC}$ such that $\overline{BD}$ bisects $\angle B$, what is the length, in centimeters, of $\overline{CD}$?