Name: _____ Date: _____

BLM 3–11

Section 3.4 Math Link

This worksheet will help you with the Math Link on page 119.

1. Use the formula for the surface area of a cube, $S.A. = 6s^2$, to complete this table.

Side Length of Cube	Expression for Surface Area of Cube	Surface Area of Cube	Expression for Surface Area of Five Cubes	Surface Area of Five Cubes
s = 3 cm	$6 \times$ _____^{2}	_____ cm^2	$5 \times 6 \times$ _____^{2}	_____ cm^2
s = 4 cm				
s = 5 cm				

2. How much greater is the surface area of five cubes with s = 5 cm than five cubes with s = 3 cm?

$5 \times 6 \times$ _____$^2 - 5 \times 6 \times$ _____$^2 =$ _____ cm^2