

Surface Area

1. Take out one of each of the different Lab Gear blocks. Write the surface area of the block. Combine like terms to make your answer compact. Record your answer in the chart below. (The first one has been done as an example.)

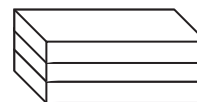
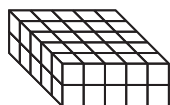


1	x	
	x	
	x	
	x	1

Lab Gear Block	Surface Area
x	$x + x + x + x + 1 + 1 = 4x + 2$
$5x$	
y	
$5y$	
xy	
x^2	
y^2	
1	
5	
25	

Imagine these buildings are made by gluing Lab Gear blocks together. Find the total surface area of all the exposed faces of the arrangement, even the bottom of the building. Combine like terms in your answer and write it in the blank. (We will use SA for “surface area.”)

2. SA = _____ 3. SA = _____



4. SA = _____ 5. SA = _____

