## Today's Schedule

- -Seats
- -Questionnaire
- -Disclosure
- -Remind
- -Group Activity
- -Video

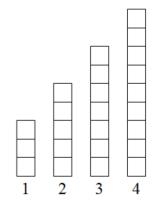
## Staircase Towers

SM2

Below is a staircase tower that is made by starting with 3 cubes and adding two cubes to get each successive tower.

How many cubes will be in the 10<sup>th</sup> tower?

How many cubes will be in the n<sup>th</sup> tower?



How do you know?

\*Make a poster of your groups answers and thinking. Link the diagram to your rule or formula to determine the number of cubes in the n<sup>th</sup> tower. Be ready to explain your group's thinking to the class!

## SM2 Review

\*multiplying or dividing by same \* each time

x y 1 3.3
2 3.3
4 27

		SM3H
For the following sequence of figures, assume the pattern continues to grow in the same manner. Describe what the $n$ <sup>th</sup> figure will look like and determine the number of blocks that would be needed for this figure with a rule or formula.		
Figure 1	Figure 2	Figure 3
*Make a poster of your groups answers and thinking. Link the diagram to your rule or formula to determine the number of cubes in the nth tower. Be ready to explain your group's thinking to the class!		

