

Name(s) _____ Period _____ Date _____

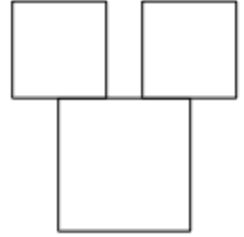
Activity Guide - Building Blocks of Drawing



Challenge: Create instructions your classmates could use to reproduce a simple arrangement of drawn blocks. Similar to the one shown at right.

Create Your Arrangement: With a pen, draw a figure of variously sized rectangles (or squares) similar to the one shown at right.

Design Your Algorithm: As you draw think about about the fundamental operations - the most basic set of commands - you would need in order to write out a list of instructions for another person to draw it the same way you did. Your instructions may only use words, so you cannot use pictures to help you.



Compare Your Instructions with a Neighbor's Instructions:

With a neighbor, compare how you each drew the shape, and compare your sets of commands to see where you have things in common.

- Where did the drawer start?
- Where did they end?
- Did they draw it the same way as you?
- Did they pick up the pen?
- How many different commands do you actually need to draw this?

Reflection: Once you've had an opportunity to compare instructions with a neighbor, respond to the following reflection questions:

- How were your instructions different from your neighbor's?

- Were your instructions as clear as you thought?