



BUILD YOUR OWN VISUAL VOCABULARY

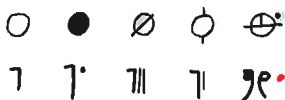
DID YOU KNOW THAT EVERYTHING
YOU SEE AND LIKE CAN BECOME
DESIGN MATERIAL FOR YOUR DATA?





COLOR VARIATION

TO INDICATE GROUPS OR CATEGORIES OF ELEMENTS



SYMBOL VARIATION

TO INDICATE DIFFERENT INSTANCES OF THE SAME TYPE WITH TINY EXTRA SYMBOLS TO REPRESENT A SPECIAL ENTRY



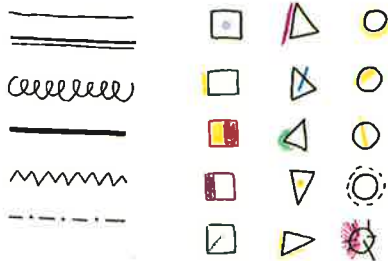
THICKNESS and LENGTH

TO VISUALIZE INCREASING DURATIONS OR INTENSITIES



LEFT AND RIGHT

FOR INDICATING A BEFORE-AND-AFTER SITUATION



SHAPE VARIATION

LOOK AT HOW MANY VARIATIONS THERE ARE FOR A LINE, A SQUARE, A CIRCLE, OR A TRIANGLE!

BY STARTING SIMPLE, YOU CAN

DRAWING RULES

+ DATA =

VARIABILITY!

Drawing with data requires setting up drawing rules that work well to represent any data, from a very small to a very large number.

Test how this works on the page by following the rules below to draw the outcomes for the remaining five numbers.

AS THE VALUE
INCREASES...

1

2

3

4

5

6

the dot
gets bigger



the line
gets thicker



the circle
gets darker



the square
grows redder



AS THE VALUE
INCREASES...

1

2

3

4

5

6

the shape has
more sides



the line gets
wobblier



the star has
more points



the square's
pattern becomes
more crosshatched



the flower grows
more petals



HOW MANY VARIATIONS TO A RECTANGLE?

THIS IS A FIRST STEP TO BUILDING YOUR OWN VISUAL
VOCABULARY: TAKE A VERY SIMPLE SHAPE, AND PLAY WITH
ADDITIONS AND MODIFICATIONS.



COLOR VARIATION, OF COURSE,
BUT ALSO TEXTURE VARIATION



THE WAY YOU SPLIT COLORS
WITHIN THE MAIN SHAPE



BLACK-AND-WHITE INK
PATTERNS



ADDING COLORS TO
PATTERNS



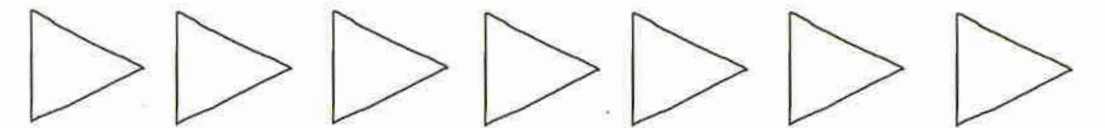
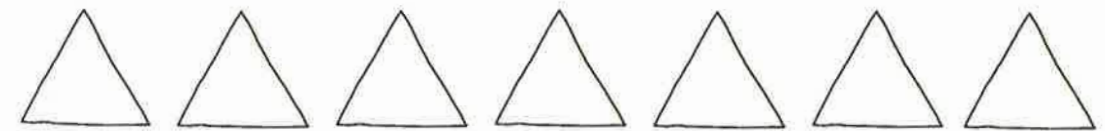
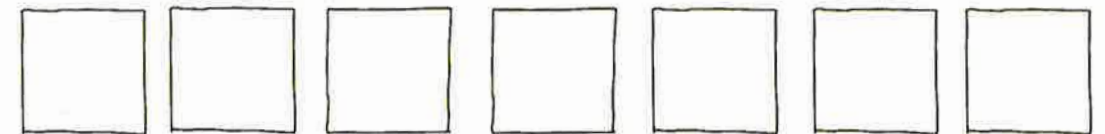
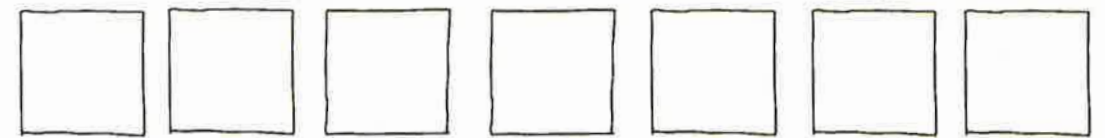
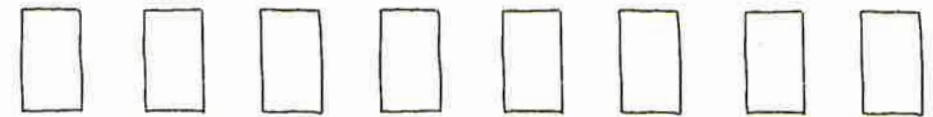
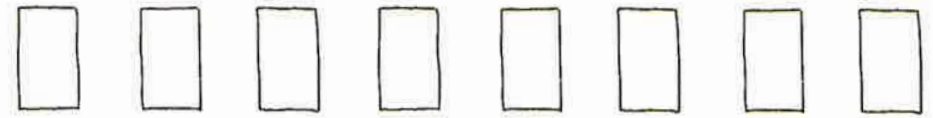
THE OUTSIDE IS INTERESTING
AS WELL



OVERLAPPING SHAPES IN
DIFFERENT CORNERS

COLOR COMBINATIONS, COLOR SPLITTING, and POSITIONS
AND ROTATIONS OF THE ELEMENTS ARE EASY WAYS
TO PRESENT VARIATIONS and DIFFERENCES IN YOUR DATA!

THIS IS A PAGE FOR YOU TO PLAY ON!



EXPERIMENT WITH DIFFERENT COMBINATIONS, OVERLAPS,
TEXTURES, and DRAWING MATERIALS, DRAWING as MANY
VARIATIONS ON THE MAIN SHAPES AS YOU CAN.

COLOR PALETTE TESTING

On this page, test out possible color palettes for your drawings!

CATEGORICAL COLOR PALETTES:

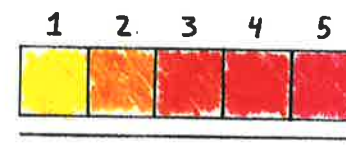
These colors are used to represent categories that are very different from each other, so the colors you choose must be different enough to easily tell apart!



A grid of 100 empty boxes arranged in 10 rows and 10 columns, intended for a 100-day counting exercise.

SEQUENTIAL COLOR PALETTES:

A set of colors that progress step-by-step in ONE direction, used for increasing values and intensities.



DIVERGING COLOR PALETTES:

A set of colors that progress step-by-step in Two directions, Used to represent values and intensities that move in two directions from a central position.

