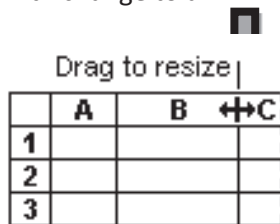


# Creating Pixel Art in Microsoft Excel

Follow these steps to create the sample pictures.

## Step 1: Set up Microsoft Excel.

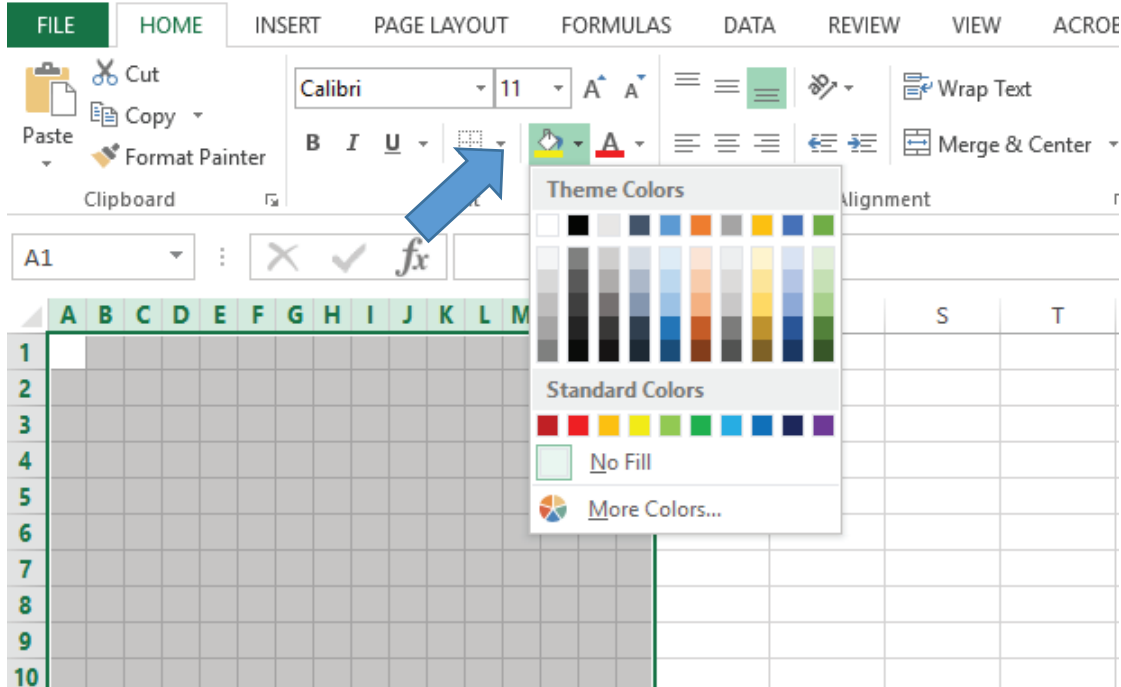
1. Open Microsoft Excel by clicking on the program from the Start menu and choosing “Blank Workbook” by clicking on it.
2. Change your column width so that the cells are square rather than rectangular. Click on row A at the very top and while holding the mouse, drag across the column letters to highlight as many as you think you will need for your picture (usually going up through AZ is enough).
3. Roll your mouse up to where the column heading letters are, in between any column. Your cursor will change to a “+”.



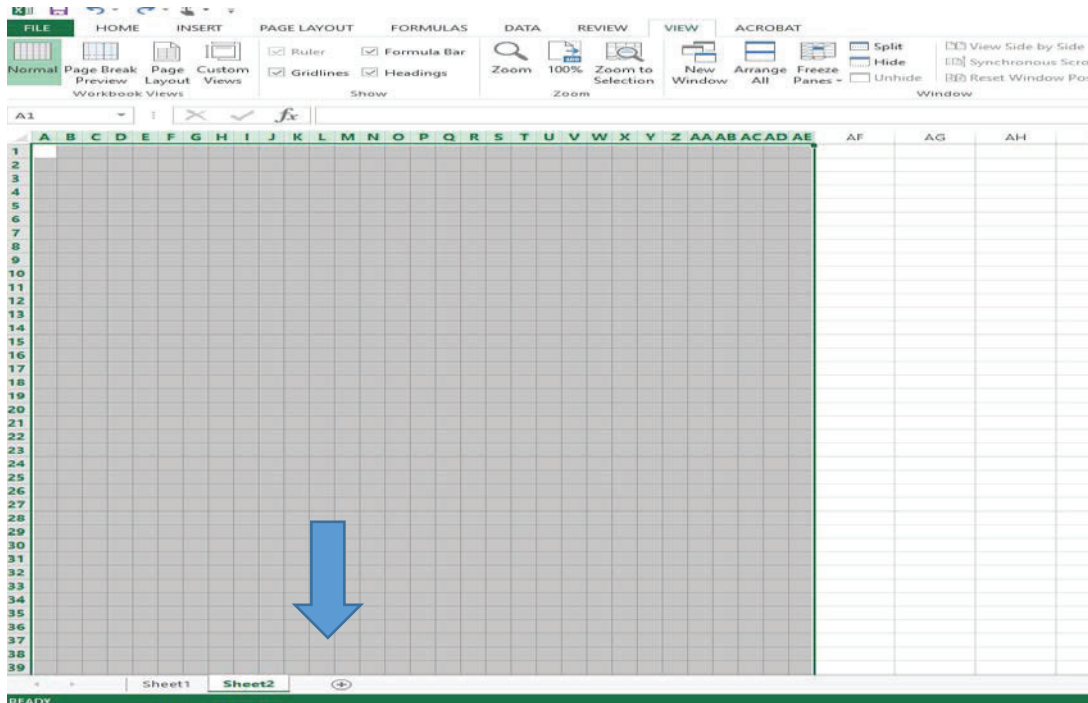
4. Drag one column until it is more narrow and is a square. This will make all the highlighted columns the same size and square.
5. Now you are ready to start your picture!

## Step 2: Create a picture using the information in the sample.

1. Use the legend below to format the correct cells with the correct color. Use the Fill Color option from the menu to choose your color (it looks like a little paint bucket):



2. Create each picture on a separate sheet of the same file. To change to another sheet, go to the bottom of the worksheet and click on the + sign beside Sheet 1 to add another sheet:



### Sample Picture #1:

**Red:** D6-D10, E5-E10, F6-F10

**Yellow:** G6-G10, H5-H10, I6-I10

**Green:** J6-J10, K5-K10, L6-L10

**Blue:** M6-M10, N5-N10, O6-O10

**Purple:** P6-P10, Q5-Q10, R6-R10

**Black:** E4, F3-F5, F14, F20, G4, G5, G14, G20, H14, H17, H20, I14, I17, I20, J14, J17, J20, K14, K17, K20, L14, L17, L20, M14, M17, M20, N14, N17, N20, O14.

**Orange:** H4, I3-I5, J4, J5

**Light Blue:** K4, L3-L5, M4, M5

**Brown:** N4, O3-O5, P4, P5

**Light Green:** Q4, R3-R5, S4-S9

**Gold (Dark Yellow):** D11-D23, E11-E13, F11-F13, F15-F19, F21-F23, G11-G13, G15-G19, G21-G23, H11-H13, H15, H16, H18, H19, H21-H23, I11-I13, I15, I16, I18, I19, I21-I23, J11-J13, J15, J16, J18, J19, J21-J23, K11-K13, K15, K16, K18, K19, K21-K23, L11-L13, L15, L16, L18, L19, L21-L23, M11-M13, M15, M16, M18, M19, M21-M23, N11-N13, N15, N16, N18, N19, N21-N23, O11-O13, O15-O23, P11-P23, Q11-Q23, R11-R23, S10-S22, T9-T21.

### Sample Picture #2:

**Black:** C2-C18, D2, D6, D18, E2, E6, E9, E12, E15, E18, F2, F6, F18, G2, G6, G9, G12, G15, G18, H2, H6, H18, I2, I6, I9, I12, I15, I18, J2, J6, J18, K2, K6, K9, K12-K15, K18, L2, L6, L18, M2-M18.

**Light Green:** D3-D5, E3-E5, F3-F5, G3-G5, H3-H5, I3-I5, J3-J5, K3-K5, L3-L5.

**Medium Blue:** D7-D17, E7, E8, E10, E11, E13, E14, E16, E17, F7-F17, G7, G8, G10, G11, G13, G14, G16, G17, H7-H17, I7, I8, I10, I11, I13, I14, I16, I17, J7-J17, K7, K8, K10, K11, K16, K17, L7-L17.

**Step 3:** Create your own picture! Now it's time to try to draw something of your own. When you finish your drawing, create a legend that lists the cell numbers and their colors (like the samples above) so that someone else would be able to re-create your drawing. Create your drawing on a new Sheet in Microsoft Excel (but still in the same file with your samples).

**Step 4:** Save your work and submit for grading following your teacher's instructions.

## Grading

Expectations	Possible Points
Accurately creates the two sample drawings (15 points each)	30
Creates a new, creative pixel art drawing	40
New drawing includes an accurate color legend	40
TOTAL	100