

## Creating Pixel Art in Microsoft Excel

### 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 "+".

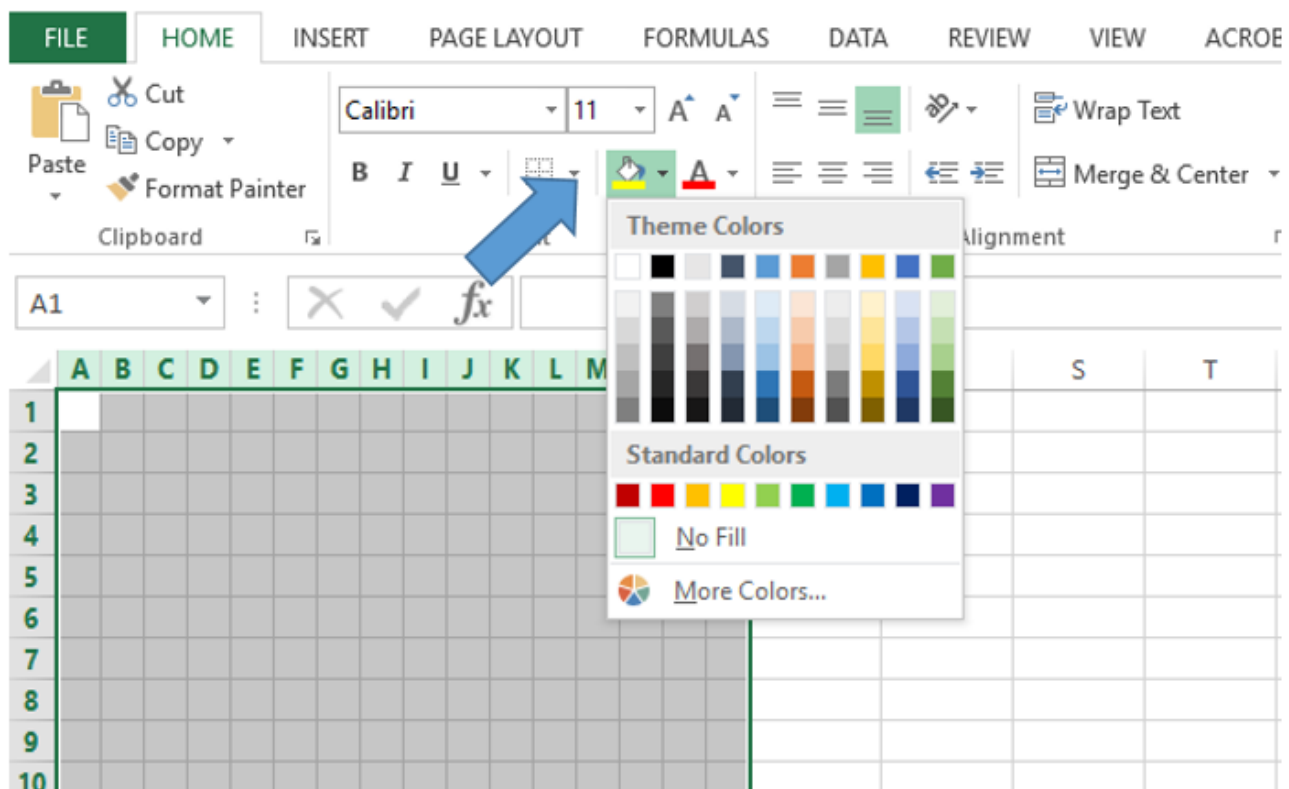
Drag to resize |

	A	B	C
1			
2			
3			

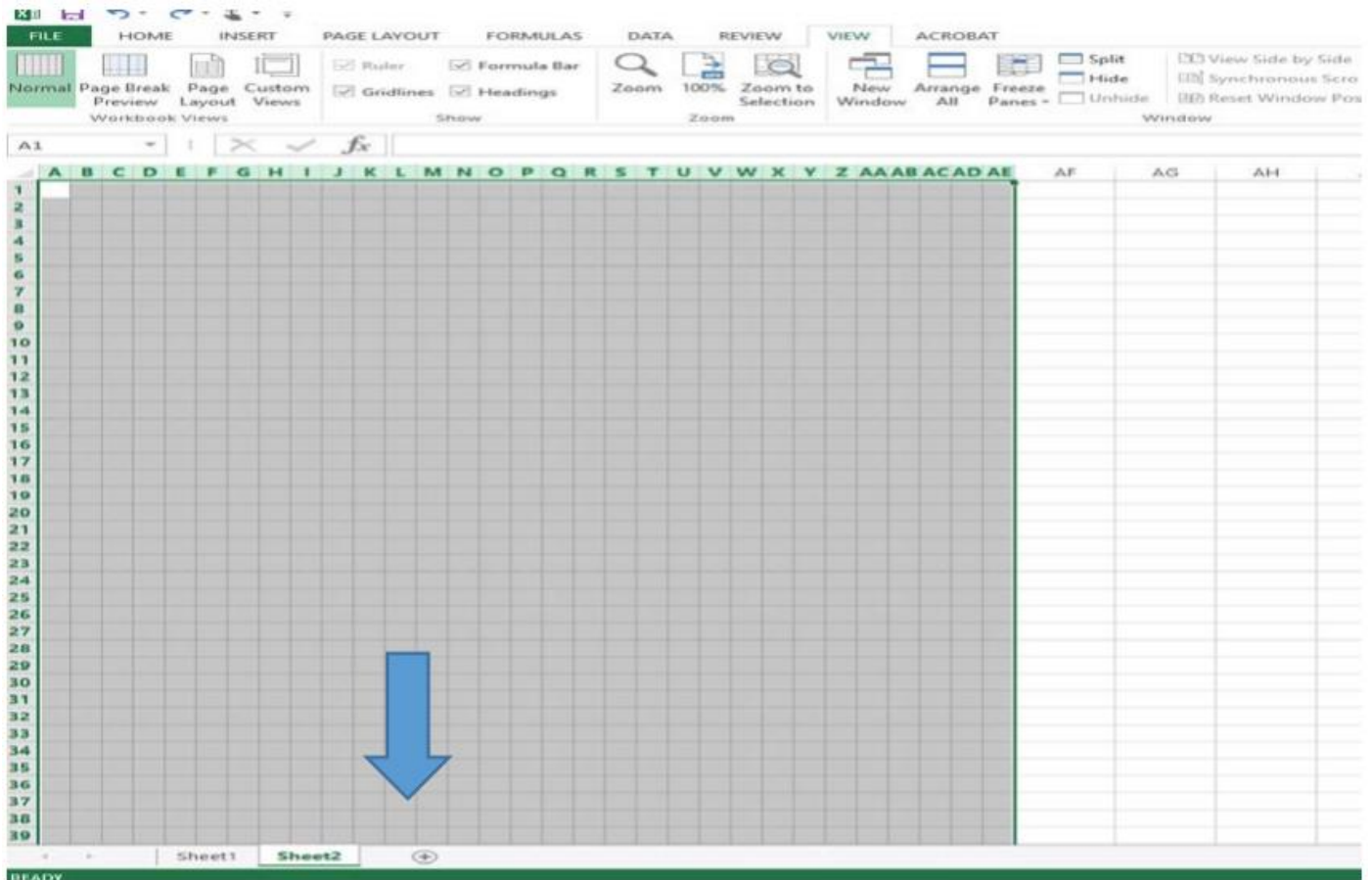
4. Drag one column until it is more narrow and is a square. This will make all the highlighted columns the same size and square.
5. Now you are ready to start your picture!

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

1. Use the legend below to format the correct cells with the correct colour. Use the Fill Colour option from the menu to choose your colour (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:** Have a go at creating some of the pictures listed below (they vary in size and difficulty) by following the legends (*instructions on what colours go in which squares*) or create your own picture! You could always look up pictures of pixel art online, copy the pictures and then recreate them using Excel. When you finish your drawing, created a legend that lists the cell numbers and their colours so that someone else would be able to re-create your drawing.

## For fans of Italian plumbers

### Light Red-

- F- 10, 11,
- G- 10, 11, 12, 15
- H- 10- 15
- I- 9- 14
- J- 8- 14
- K- 6- 14
- L- 6- 9, 14
- M- 6- 8
- N- 6- 8
- O- 8, 9, 14
- P- 10- 14
- Q- 11- 15
- R- 12- 15
- S- 12- 15
- AB- 28, 29
- AC- 28- 30
- AD- 22, 28- 30
- AE- 21, 22, 28- 31
- AF- 21, 22, 29, 30
- AG- 21, 22, 28
- AH- 21, 22, 28, 29
- AI- 21, 22, 28, 29
- AJ- 22, 29
- AK- 22, 28
- AL- 22, 23, 27, 28
- AM- 23, 24, 26, 27
- AN- 23-25

### White-

- A8
- G5
- H4-6
- I4-5
- J-o 4

### Ak30

### Tan

- Z29-30
- Aa29-30
- Aa31
- Ab30
- Ad24-25
- Ae-ah26-27
- Ag23-25

- K3
- L3
- J6, 7
- I7, 8
- GH 8, 9
- F12-15
- G13, 14
- HQ17- 18
- I J L M O P 16
- I-p 19
- P5
- L – O 9-14 except I9, o9, I14, O14
- O6-7
- P7-9
- Q8-10
- R8-11
- S10-11
- U1 v1
- Ac- aj 8-10
- Ab9
- Ak9
- Af7
- Ag7
- Af11
- Ag11
- Ar- av 4-6
- Aq5
- Az5
- Au7
- Au3
- Av7
- Av3
- Bi-bp 10-12
- Bh11
- Bq11
- Bl9
- Bl13
- Bm9
- Bm13
- Bu3-5

### Ah23-25

- Af24
- Ai25
- Ai-ak27
- Aj23-24
- Ak23-24
- Ak-am25
- Al24
- Am-an21-22
- Al21

### Bt 4

### Light green

- A-bU 40
- C22-23
- D22-23
- E22-37
- F22-23 36-37
- G22-37
- H22-37
- I22-31
- J22-37
- K33-37
- L22-37
- M22-37
- N22-25 35-37
- O22-37
- P22-37
- Q22
- R22-37
- S22-23 28-37
- T22-37
- U22-23
- V22-23

### Black

- A-BU 39
- B-w 21
- B22-24
- W22-24
- C24
- V24
- D24-38
- U24-38
- E-t 38
- F24-35
- I32-37
- K22-32
- N26-34
- Q23-37
- S24-27
- I-p 20

### Brown

- Aa-ab33-34
- Ab-ad32
- Ac33
- An-ao29-32
- Ao28
- Ac24-26
- Ad26
- Ad-af23
- Ae24-25

- Q19
- H19
- F-h16
- Q-s16
- I-p15
- K16-17
- N16-17
- E10-15
- T10-15
- F8-9
- S8-9
- G7
- H7
- Q7
- R7
- P6
- I6
- J-o5
- Ai23-24
- Ai-al26
- Aj25

### Royal Blue

- Ad31
- Ad33
- Ae-ag 32-33
- Af31
- Ag31
- Af28
- Ag29
- Ag30
- Ah30
- Ah32
- Ai-aj 30-32
- Aj28
- Ak29
- Al30-32
- Am30-32
- Ak31-32

### Gold

- Ah31

### Af25

### Light Blue

- Every empty cell (not white) A1 through BU40

### **For fans of the Dark Knight**

**Black:** B9-B16,C8,C17,D7,D18,E6,E19,F5,F8-F17,F20,G5,G7,G10-18,G20,H4,H11-H16,H21,I4,I11-I15,I21,J4,J7-J17,J21,K4,K8-K19,K21,L4,L7-L17,L21,M4,M11-M15,M21,N4,N11-N16,N21,O5,O7,O10-O18,O20,P5,P8-P17,P20,Q6,Q9-Q16,Q19,R7,R10-R15,R18,S8,S17,T9-T16

**Yellow:** C9-C16,D8,D9,D16,D17,E7,E8,E17,E18,F6,F7,F18,F19,G6,G8,G9,G19,H5-H10,H17-H20,I5-I10,I16-I20,J5,J6,J18-J20,K5-K7,K20,L5,L6,L18-L20,M5-M10,M16-M20,N5-N10,N17-N20,O6,O8,O9,O19,P6,P7,P18,P19,Q7,Q8,Q17,Q18,R8,R9,R16,R17,S9-S16

### **For fans of liking what other people share**

Change the width of the cells to 2.4

**Dark Blue:** R26-32,S26,T26,U26,V26,W25,X24-22,Y21,Z22-25, Z32, AA25, AA32, AB25, AB32, AC26-AC31

**Light Blue:** S27-S31, T27-T31

**White:** V27-V30, W26-W30, X25-X31, Y22-Y31, Z26-Z31, AA26-AA31, AB26-AB31.

### **For fans of Droids**

**Red:** J20, K9, L20

**Blue:** D15-D18, D20, I5, J4, J6, J8, J9, K8, L4, L6, L8, L9, M5, R15-R18, R20.

**Dark Grey:** D12-D14, D23, F13, F16, F18, G13-G18, I12, I13, J13, K13, L13, M12, M13, O13-O18, P13, P16, P18, R12-R14, R23.

**Black:** B12-B14, B22-B25, C11, C13, C15-C22, C25, D11, D19, D22, D25, E8-E19, E22, E23, E25, F6, F7, F11, F19-F22, F24, F25, G5, G11, G19, G21, H4, H9, H11, H21, H23-H25, I4, I8, I9, I11, I19, I21-I23, I25, J3, J5, J11, J15, J17, J19, J21, J23, J25, K3-K6, K11, K15, K17, K19, K21, K23-K25, L3, L5, L11, L15, L17, L19, L21, L23, L25, M4, M8, M9, M11, M19, M21-M23, M25, N4, N9, N11, N21, N23-N25, O5, O11, O19, O21, P6, P7, P11, P19-P22, P24, P25, Q8-Q19, Q22, Q23, Q25, R11, R19, R22, R25, S11, S13, S15-S22, S25, T12-T14, T22-T25.