

## sketch\_171206a

```
int[] markers = {1, 2, 4, 8,16,32,64,128,100,3,9};
int spacing = 800;
PImage circle;
PImage values[] = new PImage[8];
void setup() {
  circle = loadImage("circle.png");
  for (int i = 0; i<values.length; i++) {
    values[i] = loadImage(""+int(pow(2, i))+".png");
  }
  size(3508, 4961);
  surface.setVisible(false);
  background(255);
  //4x6 markers on a3 paper
  int x = 0;
  int y = 0;
  int counter=0;
  for (int i = 0; i<markers.length; i++) {
    drawMarker(markers[i], x, y);
    x++;
    if (x>3) {
      x = 0;
      y++;
      if(y>4){
        save("result"+counter+".png");
        counter++;
        x=0;
        y=0;
      }
    }
  }
  save("result"+counter+".png");
  exit();
}

void drawMarker(int num, int xpos, int ypos) {
  int x = spacing/2+xpos*spacing;
  int y = spacing/2+ypos*spacing;
  String str = binary(num, 8).toString();
  int s = int(circle.width*1.5);
  image(circle, x, y,s,s);

  for (int i = 0; i<8; i++) {
    if (str.charAt(i)=='&apos;1&apos;') {
      tint(0,255);
      image(values[7-i], x, y,s,s);
      tint(255);
    }
  }
}
```