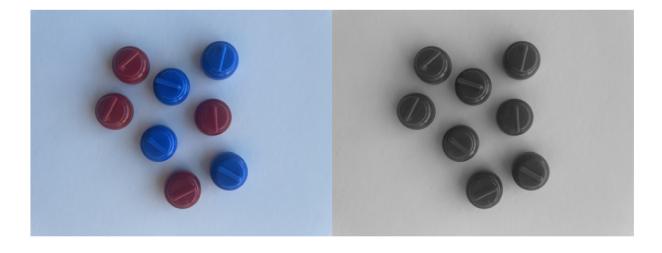
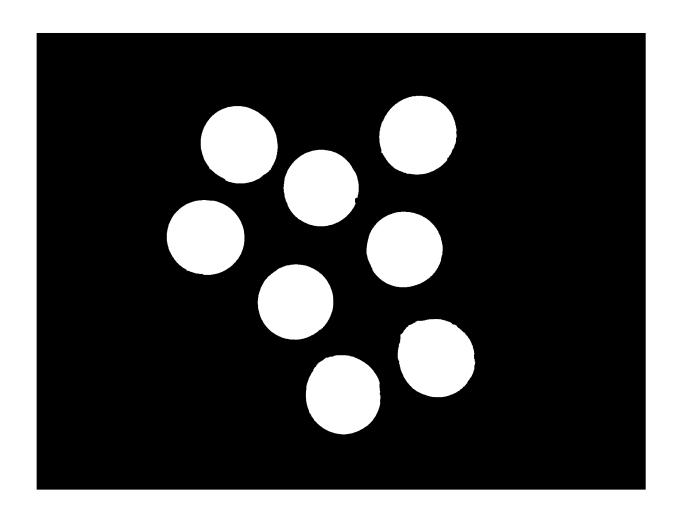
Project: Segment an Image

For this problem, you are given two lines of code which read in the image and convert it to grayscale. You will need to add your own code to provide a mask which accurately segments the curling stones from the background. Use variable name **curlingMask**.

```
curlingImg = imread("curlingImage.jpg");
curlingImgGray = im2gray(curlingImg);
montage({curlingImg,curlingImgGray})
```



```
curlingMask = segmentImage(curlingImg);
imshow(curlingMask)
```



```
% Dilate mask with disk
radius = 18;
decomposition = 8;
se = strel('disk', radius, decomposition);
BW = imdilate(BW, se);

% Erode mask with disk
radius = 18;
decomposition = 8;
se = strel('disk', radius, decomposition);
BW = imerode(BW, se);

% Create masked image.
maskedImage = X;
maskedImage(~BW) = 0;
end
```