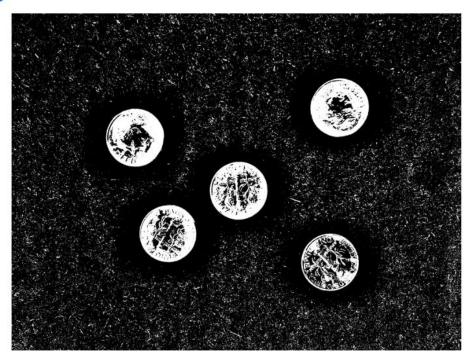
	Your grade: 100%  Your latest: 100% • Your highest: 100% • To pass you need at least 75%. We keep your highest score.	ext item →
	<ol> <li>Imagine you have a camera set up to capture snapshots of an outdoor scene throughout the day. Which approach is best to segment out the background in these shots?         <ul> <li>Global threshold</li> </ul> </li> <li>Adaptive threshold         <ul> <li>The background lighting would be different throughout the day, so an adaptive threshold would make the most sense here.</li> <li>Multilevel threshold using two threshold values</li> </ul> </li> </ol>	1/1 point
2.	Determine the global threshold calculated from Otsu's method. What is the threshold intensity value? Express your answer as an integer between 0 and 255.  143  You can use graythresh to determine the threshold value in decimal form, and then multiply the value by 255 to get the integer representation.	1/1 point
3.	Using the threshold value from the previous question, segment the image. How many true pixels are in the resulting segmented binary image?  594617  The number of true pixels can be counted using the nnz function.	1/1 point
4.	What is the effectiveness metric for the dimes image? Recall from  PracticeThresholdingGrayscaleImages Reading, effectiveness metric measures how well the threshold found by Otsu's method was able to segment the pixels into the two groups of foreground (white pixels in the masks above, represented by the logical true) and background (black pixels in the above masks, represented by the logical false).	1/1 point
	0.6967	
	The effectiveness metric can be calculated using the graythresh function.	





This is the result from using an adaptive threshold.

- **6.** Which of the following can only be done with a multilevel threshold (as opposed to an adaptive or global threshold)?
- 1/1 point

Isolating three objects, each with their own distinct intensity

 $\label{thm:multiple} \textbf{Multilevel thresholds can differentiate between multiple different shades in an image.}$ 

- O Isolating the foreground from the background in an image
- O Isolating the foreground from the background, but you have inconsistent lighting in your image

