

Activity 3 A

Drawings with Pixels



FOR YOU TO DO

- a) Ask the student to make a simple drawing in a square frame. Then ask the student to convert the drawing to a display of pixels, three wide and three high. Next ask the student to triple the number of pixels for the length and triple the number for the height. With this much larger number, the student again represents the drawing. Discuss how the representations have changed.
- b) Have the students convert their images, as represented by the nine by nine pixel array, into a stream of ones and zeroes. Have them exchange data streams with their partner and reconstruct their partner's image.

Digital Image Grid

