

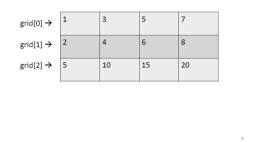
## **Announcements** Program 8 assigned – Due Thursday, April 30<sup>th</sup> by 11:55pm - only need to use 1-D lists to complete Sample Solution to Talk Like a Pirate lab in Box folder (talkLikeAPirate.py)

## **Two-Dimensional Lists**

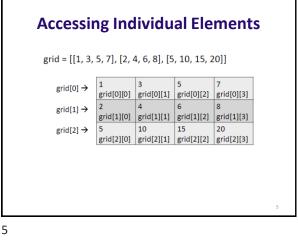
- Two-dimensional list: a list that contains other lists as its elements
  - Also known as nested list
  - Common to think of two-dimensional lists as having rows and columns
  - Useful for working with multiple sets of data
- To process data in a two-dimensional list need to use two indexes
- Typically use nested loops to process

## **Creating Two-Dimensional Lists**

grid = [[1, 3, 5, 7], [2, 4, 6, 8], [5, 10, 15, 20]]

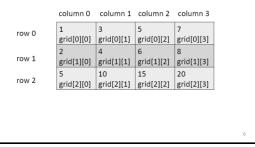


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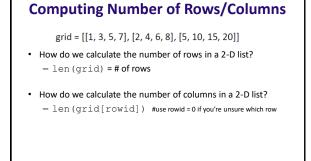


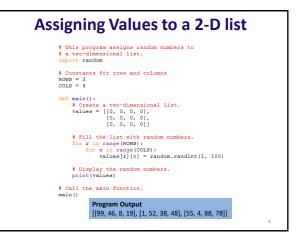
## **Accessing Individual Elements**

To access an individual element in a grid, use two positions: row first, then column.



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