- Processing capacity can be measured in many ways, and these tasks make up an IQ test
- Many components of fluid intelligence are highly correlated with one another
- The more closely related the task, the more strongly correlated they are likely to be
- Raven's progressive matrices: pattern completion is a common component of intelligence tests because it does not rely on crystallized intelligence

Reliability and Validity
- Test-retest reliability
  - How likely are you to get the same IQ score if we retest you later
    - Very high but not perfect
  - Scores can change due to
    - Measurement error
    - Environmental changes during crucial periods of development
- Predictive validity
  - How well does IQ score predict real-life behaviors that we think are related to intelligence?
    - Academic performance: about 0.5
    - Assembly line performance: 0.2
    - More complex professions: 0.6 - 0.8

Hierarchical Models of Intelligence

![Hierarchical Models of Intelligence Diagram]

Figure 13.18
Copyright © 2016 W. W. Norton & Company, Inc.

Other conceptions of intelligence
- Practical intelligence: needed in day-to-day settings “street smarts”
- Rationality: may be a distinct concept from intelligence