Today's topics:

- **Tests of reading, pre-reading skills**
- **Other types of tests**

Background:

- NAEP reading assessment website

0. Key points today

- Reading assessment tests

  - To evaluate student progress
  - As part of a research study

- Other assessments used in research studies

  - What are they like?
  - What do they test?

1. Assessing student progress in reading

- How many of you took NC BOG/EOG reading tests in NC schools?

  - Standardized reading tests in other states?

- NC 3rd grade BOG/EOG reading assessment

  - [general info](#)
  - [sample questions](#)

1. Assessing student progress in reading

- **NAEP** —
  National Assessment of Educational Progress
  - 4th, 8th, 12th grades in selected schools
  - First versions in 1969
  - Math, reading for 4th/8th grade every 2 years since 2001

- Sample reading assessment questions:
  - grades 4, 8 | grade 12
  - Video: Oral reading fluency task (4th grade)

1. Assessing student progress in reading

- NAEP is often discussed in media and used as background for media reports on education

- See bar graph near top (Hanford 2018)
  - What is the approximate rate of US students *not* scoring at least "proficient" for the last 30 years?
  - What does it mean to say that "....% of students were not **proficient** in reading on the NAEP"?
    - Does this mean that none of these students can read and understand written information?
    - "NAEP Reading Achievement Levels by Grade"

1. Assessing student progress in reading

- Some more recent NAEP results
  - "Trends in Reading Performance" 2022 [link] shows effects of COVID and remote school
  - See also individual state results for 2022 [link]

2. Assessing reading skills in a research study

- Wide variety of materials might be used, depending on age of participants and goals of study

- Example: Wide Range Achievement Test (WRAT-5) [publisher's link]

  - What skills are covered on this assessment? (scroll down to "Features")
    - **cloze** task = fill in the blank
  - What reader ages is this intended for?

3. Assessing other skills in a research study

- What other skills might be tested as part of a research study that tests reading ability? Why?

3. Assessing other skills in a research study

- What other skills might be tested as part of a research study that tests reading ability? Why?
    - Skills being tested in the study as possible **predictors** of reading success, such as:
        - phonological awareness
        - morphological awareness
        - vocabulary size

3. Assessing other skills in a research study

- What other skills might be tested as part of a research study that tests reading ability? Why?

  - Skills that vary by **individual** and might influence reading ability, such as:
    - working memory
    - naming speed
    - general intelligence

3. Assessing other skills in a research study

Phonological awareness

- Example: Comprehensive Test of Phonological Processing (CTOPP-2) [publisher's link]
    - Scroll down to "Subtests": Which of these tests assess **phonological awareness**?

3. Assessing other skills in a research study

Letter-to-sound knowledge

- Example: Letter-Sound Test (LeST) [instruction booklet]
    - For English: The letters and combinations tested are those with regular/majority patterns!

3. Assessing other skills in a research study

Morphological awareness

- Example: Does It Fit? (subtest of Process Assessment of Learners/PAL-II) [example from here]

  Does It Fit? (DF) | Grades 2-6 | Untimed
  Discontinue after 3 consecutive scores of 0

  Circle the word that fits the sentence.
  parns, parnness, parned, parnly

  My brother ____ yesterday.

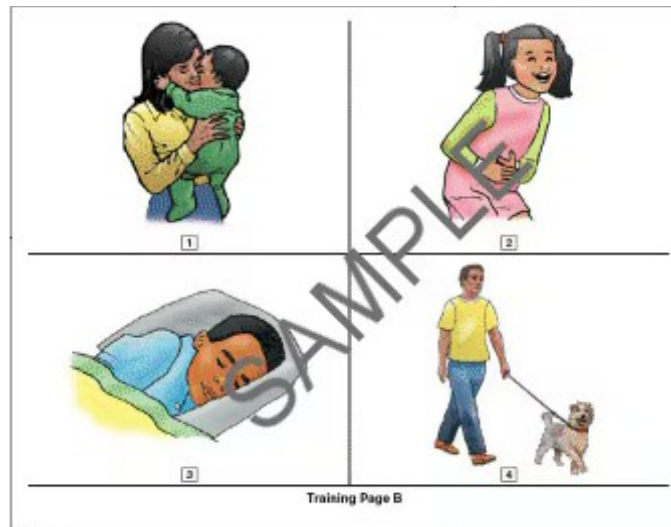 Jane gave two ____ to her mother.

  The boy smiled ____

  ____ is fun.

3. Assessing other skills in a research study

Vocabulary size

- Example: Peabody Picture Vocabulary Test 4 (PPVT-IV) [publisher's link]

  - Example item:

3. Assessing other skills in a research study

Nonverbal reasoning

- Used as a measure of general cognitive ability

- Example: Raven's Coloured Progressive Matrices (age 5+)

    - Example test item from OriginsTutoring.com

3. Assessing other skills in a research study

Working memory

- Digit span: How many digits can the participant remember and repeat?

- Letter span: uses letters

3. Assessing other skills in a research study

- **Naming speed** — **RAN** (rapid automatized naming)
    - Has been found to predict reading ability
    - Is independent of phonological awareness
    - Relates to ability to **retrieve** phonological and/or orthographic **information**
    - Sample materials in video at timepoint 0:50

4. For next time

- Information about **article presentation** assignment

    - Group presentation

    - Individual preparation activities

    - Individual roles within the presentation

- **General discussion** — questions and application

    - Language structure

    - Writing systems

    - Eye movements and text processing

    - Phonics-based teaching methods