

Gain a deeper understanding of the specialized knowledge your teachers need to succeed

The Praxis® Elementary Education: Content Knowledge for Teaching (CKT) Assessments

are designed to give you in-depth information on your teachers' content knowledge and the specialized content knowledge needed to teach effectively and promote student learning.

The CKT assessments are the next generation of Elementary Education: Multiple Subject assessments. CKT tests measure how well teachers can apply their content knowledge to recognize, understand and respond to the content problems they will encounter in their day-to-day teaching practice.

The **Elementary Education: Content Knowledge for Teaching (7801)** test uses selected-response questions and numeric-entry questions. The **Elementary Education: Applied Content Knowledge for Teaching (7901)** adds

constructed-response (CR) tasks for Reading and Language Arts and for Mathematics. Adding these short CR tasks results in a test that directly calls for productive tasks of teaching such as writing a math problem and modifying curriculum material to be used in a reading lesson.

Both tests contain four separately timed subtests in Reading and Language Arts, Mathematics, Science and Social Studies, providing a separate score for each subtest. The content for all subjects is aligned with the requirements of the elementary curriculum, with Science now aligned with the Next Generation Science Standards. In this edition of the tests, Reading and Language Arts, Mathematics, and Science contain CKT questions. A CKT-focused subtest in Social Studies is slated for rollout in 2019.

Benefits of CKT assessments:

- offer innovative measurement of content knowledge and specialized content knowledge needed for teaching
- leverage research on teaching quality and effectiveness from leading experts in teaching and teacher preparation
- measure content knowledge that is fundamental to the K–12 curriculum and critical for beginning teachers to be able to teach skillfully

How do CKT assessments work?

Using classroom instructional scenarios, teachers are asked to apply their content knowledge in a wide range of teaching situations such as:

- recognizing common patterns of student thinking, including identifying common misconceptions
- modifying a student exercise to support a specific content learning goal
- evaluating different ways of explaining or representing content

Sample Questions

These sample questions illustrate how CKT questions go beyond traditional content assessments by asking teachers to apply their content knowledge to the types of problems encountered in teaching.

Elementary Mathematics

1.

$$\begin{array}{r} 385 \\ + 462 \\ \hline 7147 \end{array} \quad \begin{array}{r} 453 \\ + 427 \\ \hline 8710 \end{array} \quad \begin{array}{r} 321 \\ + 836 \\ \hline 1157 \end{array}$$

Josh is a third-grade student in Ms. Carter's classroom. Josh's answers to three addition problems are shown. He incorrectly answered the first two problems but correctly answered the third problem.

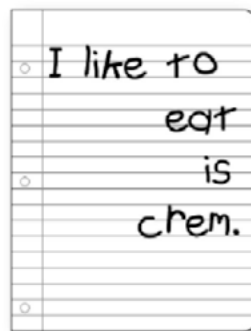
If Josh uses the same strategy to answer the following problem, what will his answer be?

$$\begin{array}{r} 328 \\ + 564 \\ \hline \boxed{8812} \end{array}$$

Test taker responds by entering a number.

Elementary Reading and Language Arts

2. A student writes the sentence "I like to eat ice cream" as follows.



Which of the following print concepts should the teacher focus on when reading with the student?

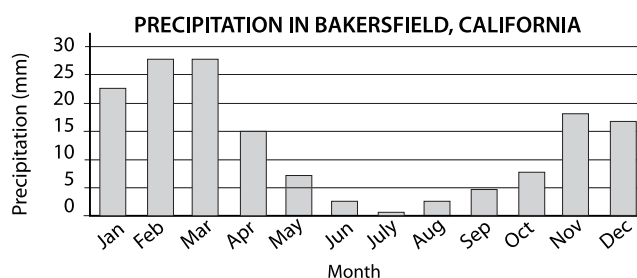
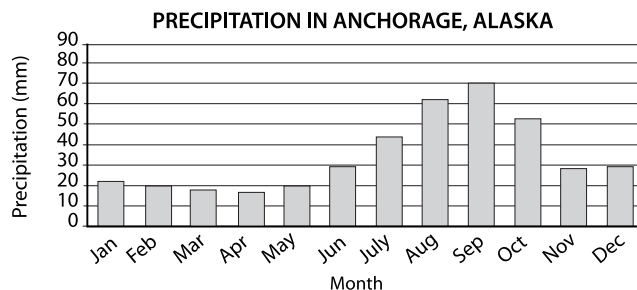
Select all that apply.

- Text direction
- Return sweep
- Punctuation meaning

Test taker selects correct answer choice or choices.

Elementary Science

3. Prior to a lesson on predicting weather outcomes, Ms. Monroe asked her students to look at the data presented in the two bar graphs showing average monthly precipitation in Anchorage, Alaska, and Bakersfield, California.



Ms. Monroe would like to determine which students have noticed the different scales on the two y-axes. Which two questions would best identify those students?

- "Which three months produce the least precipitation in each location?"
- "Which location has less precipitation during the summer months?"
- "Which location has the most precipitation during February and March?"
- "Which location has the most precipitation during November and December?"
- "In which month was there a difference in rainfall between Anchorage and Bakersfield that was less than 5mm?"

Test taker selects correct answer choice or choices.

Constructed-Response (CR) Question in Elementary Mathematics

Note: CR questions are found only in the Reading and Language Arts and Mathematics subtests in test 7901.

Read and respond to the question. The suggested time to spend on this question is 3-4 minutes.

4. Write a word problem that involves flowers and can be represented by the number sentence

$$\frac{1}{3} \times \square = 27. \text{ Be sure the numbers used make sense in the context of the problem.}$$

Lisa received some flowers for her birthday. She put $\frac{1}{3}$ of the flowers in a red vase. If she put 27 flowers in the vase, how many flowers did she receive for her birthday?

Test taker types response in text box.

ANSWER KEY: Question 1 — Candidate fills in 8812; Question 2 — Candidate selects "Return Sweep" only; Question 3 — Candidate selects the fourth and fifth answer choices. Question 4 — The sample response shown above would receive full credit. For more sample questions and full explanations of answers as well as scoring information for Question 4 and other constructed-response questions, consult the Study Companions for *Praxis*® tests 7801 and 7901.

PRAXIS® Content Knowledge For Teaching (CKT) Tests at a Glance

Test	Elementary Education: Content Knowledge for Teaching (7801)	Elementary Education: Applied Content Knowledge for Teaching (7901)
Test Structure & Response Format	Four separately timed subtests with scaled scores. Selected-response and numeric entry questions.	Four separately timed subtests with scaled scores. Selected-response and numeric-entry questions. Reading and Language Arts and Mathematics subtests have constructed-response questions.
Test Content	Reading and Language Arts—CKT (7802)/90 minutes Foundational Literacy Skills Language Constructing Meaning	Reading and Language Arts—Applied CKT (7902)/90 minutes Foundational Literacy Skills Language Constructing Meaning
	Mathematics—CKT (7803)/85 minutes* Counting and Operations with Whole Numbers Place Value and Decimals Fractions, Operations with Fractions, and Ratios Early Equations and Expressions, Measurement, and Geometry	Mathematics—Applied CKT (7903)/85 minutes* Counting and Operations with Whole Numbers Place Value and Decimals Fractions, Operations with Fractions, and Ratios Early Equations and Expressions, Measurement, and Geometry
	Science—CKT (7804)/60 minutes Earth and Space Science Life Science Physical Science Engineering, Technology, and Applications of Science	Science—CKT (7904)/60 minutes Earth and Space Science Life Science Physical Science Engineering, Technology, and Applications of Science
	Social Studies (7805)/50 minutes United States History, Government, and Citizenship Geography, Anthropology, and Sociology World History and Economics	Social Studies (7905)/50 minutes United States History, Government, and Citizenship Geography, Anthropology, and Sociology World History and Economics
	Social Studies (7805)/50 minutes United States History, Government, and Citizenship Geography, Anthropology, and Sociology World History and Economics	Social Studies (7905)/50 minutes United States History, Government, and Citizenship Geography, Anthropology, and Sociology World History and Economics
Test Fee	\$199 for Elementary Education: Content Knowledge for Teaching <i>For subtests taken individually</i> \$74 per subtest for Reading and Language Arts and Mathematics \$60 per subtest for Social Studies and Science	\$210 for Elementary Education: Applied Content Knowledge for Teaching \$79 per subtest for Reading and Language Arts and Mathematics \$60 per subtest for Social Studies and Science
Test Dates	September 11–23, 2017 March 5–17, 2018 October 9–21, 2017 April 2–14, 2018 November 6–18, 2017 April 30–May 12, 2018 December 4–16, 2017 June 4–16, 2018 January 8–20, 2018 July 2–14, 2018 February 5–17, 2018 July 30–August 11, 2018	September 11–23, 2017 November 6–18, 2017 March 5–17, 2018 June 4–16, 2018
Test Prep	Free Study Companions Interactive Practice Test (IPT) coming in August 2017	Free Study Companions Interactive Practice Test (IPT) coming in August 2017

*The Mathematics test includes an on-screen, four-function calculator.

To learn more about CKT assessments and how they can be used in your state for licensure, contact your ETS representative at teachingandlearning@ets.org.

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