



PREPARING YOUR STUDENTS FOR SBA

Middle School

ABOUT THE TESTS

SBAC or SBA testing

- English Language Arts test includes two parts. The CAT (or paper/pencil test) and the PT.
- Math also includes two parts. The CAT and PT.
- Therefore each student needs a minimum of 4 times in the lab to complete the SBA tests.
- There's also an in-class activity before each PT.



GENERAL THOUGHTS

Give students the gift of familiarity

Engage in technology-rich instruction

Send students positive vibes

View as a long term process



MOST IMPORTANTLY

Have you truly made the shift to the new standards?

ABOUT THE ELA

The ELA tests cover reading, writing, and listening standards.

The CAT includes questions in all three areas. Listening is integrated into the online test

The CAT has a variety of question types

The brief writes in the CAT build upon a stimulus

The Performance task measures research and has a full write task.

Full Writes require students to use source material and complete the entire writing process

SOME SHIFTS IN CCSS ASSESSMENT: ELA

- *More focus on complex text (literary and informational text)
- *Emphasis on careful reading and analysis with evidence to support
- *Vocabulary focuses on context rather than prior knowledge
- *Writing to sources instead of de-contextualized prompts
- *Integrated Listening, Speaking, Reading, and Writing

COMPLEX TEXT EXAMPLE

Traditional Assessment Text	Content-Rich Assessment Text
<p>. . . Lake Baikal is not only the deepest lake in the world; it is unusual in many other ways. It has a lot of biodiversity; more than 1500 species of animals and plants live in the lake, many of which cannot be found living anywhere else in the world. There are especially a lot of snails and shrimp-like animals everywhere in the lake, enjoying its cool temperatures and clean, deep water. Scientists travel from all over the world to study the many life forms living in Lake Baikal.</p>	<p>. . . Scientists have also discovered that Lake Baikal contains a large variety of living things. For example, there are 147 species of snails and 255 species of shrimp-like animals. Many of the plant and animal species in the lake are found nowhere else. A comparison to Lake Tahoe, in Nevada, shows how unusual such biodiversity is: Like Baikal, Tahoe was formed by movement of tectonic plates, but it is a much younger lake and has only 2 native species. Baikal has as many as 1500. Many of the species in Baikal have survived from prehistoric times, giving scientists important insights into early life forms.</p>

ANALYSIS VS RECALL OR IDENTIFICATION

Traditional Item	CCSS-Aligned Item
<p>Which quotation from the article includes an opinion?</p> <p>A. “On the industrial farm, it takes about ten calories of fossil fuel energy to produce one calorie of food energy.”</p> <p>B. “That means the industrial farm is using up more energy than it is producing.”</p> <p>C. “This is the opposite of what happened before chemical fertilizers.”</p> <p>D. “It’s too bad we can’t simply drink the petroleum directly—it would be more efficient.”*</p>	<p>Which statement best describes the structure of paragraphs 9 – 11?</p> <p>A. The paragraphs use chronological order to show that farming methods are constantly being invented to increase crop yields.</p> <p>B. The paragraphs identify a problem farmers faced and then explains how the government came up with a solution to that problem.</p> <p>C. The paragraphs describe cause and effect to show how chemical fertilizers led to corn becoming the main U.S. crop.*</p> <p>D. The paragraphs use comparison and contrast to explain differences between a family farm and the new kind of farm.</p>
<p>(Grade 7 items based on an excerpt from <i>The Omnivore’s Dilemma</i> by Michael Pollan.)</p>	
<p>RI.7.5: <i>Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to the development of the ideas.</i></p> <p>RI.7.1: <i>Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.</i></p>	

USE OF TEXTUAL EVIDENCE TO SUPPORT ANALYSIS

Select the sentences that support the inference that the area is in danger of losing its moose population. Select **all** that apply.

A similar boom-and-bust cycle occurs between predator and prey. Ten times the size of a wolf, a moose has long, strong legs and a dangerous kick. So wolves prey mainly on old and weak animals. Good hunting means food for the whole pack. Wolves then raise lots of pups, and their numbers increase. More wolves mean more mouths to feed and more moose get eaten. However, when the moose population decreases, wolves starve.

Which of the following sentences from the passage **best** support the conclusion that all living organisms are part of the food chain?

- Ⓐ “The energy you use to live every day travels from one living thing to another, in a chain that starts with the sun.”
- Ⓑ “This energy then helps plants change water from the soil and carbon dioxide from the air into oxygen and carbohydrates that power their cells.”
- Ⓒ “Food chains everywhere—in grasslands and deserts, oceans and tropical rainforests—begin with the producers.”
- Ⓓ “Scientists have been studying this isolated food chain for 50 years to understand how changes in one link can cause changes in another.”

Source: 7th grade practice test

BRIEF WRITES-BUILD ON STIMULUS

17



A student is writing a report for her English teacher about beneficial relationships between people and animals. Read the draft of the introduction to the report and the directions that follow.

The bond between people and animals has remained strong throughout history. In the past, tamed animals have helped humans with work such as hunting, farming, and transportation. More recently, animals have served people who are blind or have other disabilities. Today, people depend upon animals more for companionship than for work. One important benefit of such companionship for humans with pets is improved health.

The student took these notes from reliable sources:

Taking dog to dog park = chance to be with others

Engaging with others = healthy mind

Researchers studied people, pets more than 25 years

Strong relationship with pet = less stress

Lowering stress = lower blood pressure

Children with pets = fewer allergies to furry animals

Dog owners who walk dogs healthier = walking is good exercise

Taking care of a pet—walking, grooming, playing—helps a person think of others.

Using information from the student's notes, write **one** paragraph developing the idea in the last sentence of the introduction.

FULL WRITE EXAMPLE-8TH GRADE

Source 1: Article from NYT “Penny Wise or 2.4 Cents Foolish?”

Source 2: Newspaper Article “Is the Penny Worth It”

Source 3: Article “Give a Penny—Save a Day!”

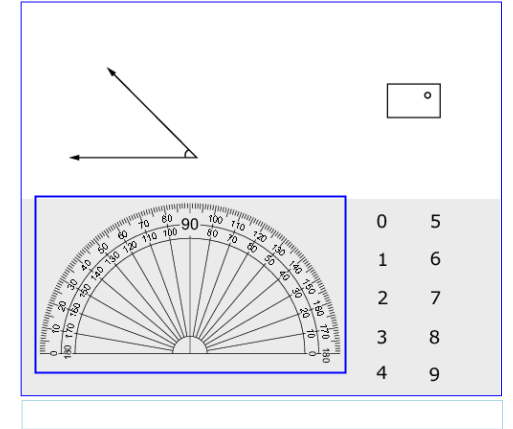
Source 4: Magazine article “Ever-Changing Penny”

Your Assignment:

As a contribution to the website your history class is creating, you decide to write an argumentative essay that addresses the issues surrounding the penny. Your essay will be displayed on the website and will be read by students, teachers, and parents who visit the website.

Your assignment is to use the research sources to write a multi-paragraph argumentative essay either for or against the continued production of the penny in the United States. Make sure you establish an argumentative claim, address potential counterarguments, and support your claim from the sources you have read. Develop your ideas clearly and use your own words, except when quoting directly from the sources. Be sure to reference the sources by title or number when using details or facts directly from the sources.

- Drag the protractor to measure the angle.
- Then drag the numbers into the box to enter the measure of the angle, in degrees.



Smarter
Practice
grade 4

ABOUT THE MATH

In the Math CAT, there are a variety of question types

4 claims are measured: Concepts and Procedures, Problem Solving, Modeling and Data Analysis, Communicating and Reasoning

Mathematical Practices integrated and certain targets have to be met.

PT is designed to be scenario based problem solving that required student-initiated planning and management.

SHIFTS IN CCSS ASSESSMENTS-MATH

- *Assess fewer topics at a deeper level, with more score points coming from major focus areas.

- *Balance between procedural skill and fluency, conceptual understanding, and application

- *Authentic real-world application and non-routine problems

FOCUS AND RIGOR

Traditional Approach (Grade 7)	CCSS-Aligned Approach (7.SP.C.8)
<p>A coin is flipped three times.</p> <p>Part A: Draw a tree diagram that shows all possible outcomes.</p> <p>Part B: Create an organized list that shows all possible outcomes.</p>	<p>12 During an experiment, three coins were tossed once.</p> <p>HHH Part A: Give the sample space to show all possible outcomes for tossing three coins one time, using the letter H when a coin faces “heads” up, and the letter T when it faces “tails” up.</p> <p>HHT</p> <p>HTH Part B: Based on your answer to part A, how many outcomes consist of 3 heads or 3 tails? 2</p> <p>HTT</p> <p>THH Part C: During a math class, each of 24 students tossed three coins once. Based on your answer to part B, how many students would you expect to get a result of 3 heads or 3 tails? $\frac{2}{8} = \frac{x}{24}$</p> <p>THT Show your work.</p> <p>TTH</p> <p>TTT</p> <p>$x = 6$ students expected to get 3 heads or 3 tails</p> <p>Source: EngageNY. http://www.engageny.org/sites/default/files/resource/attachments/math-grade-7.pdf</p>

Source: achievethecore.org

BALANCE OF THREE COMPONENTS

Traditional Approach to Conceptual Understanding (Grade 6)	CCSS-Aligned Approach to Conceptual Understanding (6.EE.A)
Factor: $6y + 24$	Circle all the expressions that are equivalent. $7(b + 5) + 3$ $b + 38$ $7b + 7 \times 8$ $7b + 38$ $7b + (7 \times 5) + 3$
Expand: $7(b + 5)$	Show that the expressions you circled above are equivalent.

THE WHOLE PICTURE

8

In the given equation, a , b , and c are nonzero rational numbers.

$$a \cdot b = c$$

Given this equation, drag one number into each box to complete four true equations.

a
 b
 c
 $-a$
 $-b$
 $-c$

Delete

$$-a \cdot \square = c$$

$$\square \cdot \square = -c$$

$$\frac{\square}{-b} = a$$

$$\frac{\square}{\square} = -a$$

AUTHENTIC VS ROUTINE

Part 1: They are given plotted data from table and asked to draw linear model

Part 2: Write equation for line drawn in part 1

Part 3: Interpret slope of the line

Part 4: Predict average pulse rate for animal who weighs 6000 kilograms.

Part 5: Explain whether prediction is reasonable in context (implied why)

Part 6: Given table with new animals and asked how this data would change the model and how they know.

HEARTBEATS

In this task, you will use data to create a model that shows the relationship between animal body weight and pulse rate measures. Then you will examine additional data to evaluate your model.

A study states that the relationship between an animal's pulse rate and body weight is approximately linear. The study data are below.

Table 1. Average Body Weight and Average Pulse Rate of Seven Animals

Animal	Average Body Weight (in kilograms)	Average Pulse Rate (in beats per minute)
Cat	3	130
Goat	28	75
Sheep	56	75
Pig	192	95
Ox	362	48
Cow	465	66
Horse	521	34

RESOURCES TO PREPARE

Digital Library

Training Test

- Bands 3-5 and 6-8, short, need teach to walk through with students and point out how things work Practice test, grade 6

Practice Test

- Full length, grade specific, no results reported, content examples as well as how to approach.

Interim Assessments

- Actual formative assessments, give results, must get system set up for these.

2



The equation shown has an unknown number.

$$\square \div \frac{2}{3} = \frac{3}{4}$$

Enter a fraction that makes the equation true.

←	→	↶	↷	✖						
1	2	3	+	-	*	÷				
4	5	6	<	=	>					
7	8	9	$\frac{\square}{\square}$	\square^\square	()					
0	.	-								



ASSESSMENT PORTAL

On desktops

Use to access practice tests for now

Later, proctors will come here for test administration as well.