









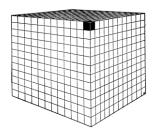


COMMON CORE STATE STANDARDS

ATE State Star DS – English

- · Mathematics · Literacy in History/Social
- Studies, Science, and Tec
- Subjects Released in June 20
- Shifts



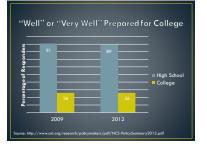


High School	Middle School	Elementary School
CMG1 – Use geometric dopse, their measures, and their properties to describely objects (e.g., describely objects (e.g., describely objects (e.g., explander). C-GMD3 – Use volume formulars for cytothedre, formulars for cytothedre, problems.	 6.09 Koor he formking for the values of const- cycleders, and sphere services of the services of the end of the services of the mathematical problems involving anter problems involving anter problems involving anter problems involving anter problems involving anter problems involving anter right necknowly problems with fractional deps lengths in the constant of anterestical appoints. 	 Section 2016 - Existe subure to 6 supercistent of adjustment of adjustmen

COMMON CORE STATE STANDARDS FAQ



COMMON CORE STATE STANDARDS FAQ • What are the Common Core State Standards? • Where did they come from? • Who has adopted them? • Who has adopted them? • What is the purpose of K-12 Ed? • Collegereadiness • ACT National Curriculum Survey • Surveyed 9,937 educators.



COMMON CORE STATE STANDARDS FAQ • Who has adopted them? • Who has adopted them? • Who do we need them? • What is the purpose of K-12 Ed? • College readiness • Career readiness • Career

■More ■Less ■Same Critical thinking and analytical reasoning skills Analyzing and solving complex problems vely orally Applying knowledge and skills to real-world setting Working w/ numbers and understanding statistics

соммол	
CORE STATE	
STANDARDS	
FAQ	

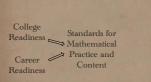


COMMON CORE STATE STANDARDS FAQ

COMMON CORE STATE STANDARDS FAQ

COMMON CORE STATE STANDARDS FAQ

How Is It All Connected?



Standards for Mathematical Practice

- Make sense of problems and persevere in solving them.
 Reason abstractly and quantitatively.
 Construct viable arguments and critique the reasoning

- 6. Attend to precision.

8	Model	In	lerior 0	Nmer	sion	6						Ext	terior
	Compare block up to 5	Max seating capacity	🗉 Frost shoulder noom (is.)	Front leg room (m.)	Front hand room (in.)	🖂 Raar shouldar room (is.)	Rear leg room (m.)	Rear head room (in.)	E Third shoulder room (in.)	E Third leg room (in.)	E Third head room (in.)	🖂 Length (m.)	🗉 With (n.)
I	Acura ILX III	5	65	41	2.5	50	27.5	1.5	NA	NA	NA	179	71
	Acura RLX III	6	50.5	NA	NA	67	NA	NA	NA	NA	NA	196	74
I	Acura TL IIII	5	58	42	3.5	55.5	28.5	э	NA	NA	NA	194	74
I	Acura TSX in	6	56.5	40.5	3.5	64.5	26.5	9	NA	NA	NA	105	73
I	Audi A4 🔤	5	55	41.5	3.5	54	25.5	э	NA	NA	NA	185	72
1	Audi A6 🔤	6	00	44	4	63	29	0	NA	NA	NA	194	74

BREAKING DOWN THE STANDARDS FOR MATHEMATICAL PRACTICE



SMP Breakdown

- Explain your Standard for Mathematical
- Practice in your own words *List why it was or was not demonstrated in the money pile problem.
- Be prepared to share.

Connection to CCSS ELA

- Reading 7 Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words. Writing 1 - Write arguments to support claims in an analysis of substantive topics or texts using valid reasoning and relevant and sufficient
- evidence
 - findings, and supporting evidence such that listeners can follow the line of reasoning.



The Reality

- What does "best" mean?
 120 tickets for \$50 is "best" because you get the most tickets
 1 ticket for \$0.50 is "best" because you spend the least amoun of money
- of money "What do you need to know to solve the problem?" + How many tickets will we use? + How long will we be staying there? + How many people are we going with? + How many tickets do the rides cost? Once they started working, they had no idea what to do. + They didn't realize that they could buy multiple sets of tickets.

WORK SAMPLES

to get as increas for operating a solution of desired solutions and desired solution of the desired solution of the the ortho solution of the ortho solution of

Har I yee peak mar hare a start was a factor from a start was mar hare a start was a factor from a start was factor from a start was a start was a start was factor from a start was a start was a start was factor from a start was a start was a start was factor from a start was a start was a start was factor from a start was a start was a start was a start was factor from a start was a start was a start was a start was a start factor from a start was a start w

How Is It All Connected?

College Readiness Mathematical Standards for Career $Practice and \xrightarrow{Standardized}$ Readiness

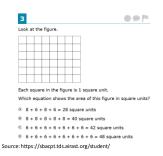


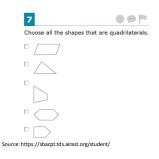
 SMARTER
 • Students in grades 3

 BALANCED
 through 8 and grade 11 will

 ASSESSMENT
 be assessed.

SMARTER BALANCED PROBLEM TYPES • Selected-response items - Prompt students to select one or more responses from a set of options.





007 21 For questions 1a-1d, choose Yes or No to show if the number 7 will make each equation to be

1a. 6 × _ = 36	O Yes	O No
1b. 8 × _ = 64	O Yes	O No
1c. 49 · = 7	O Yes	O No
1d. 54 + = 6	O Yes	O No

2 091 Drag each number into the correct answer space.



es to this item will receive 0-2 points, based upon the following: Res 2 points: WNV. The student has a solid understanding of 2/5 as well as an equivalent form of 2/5.

F

1 point INNN INN INN INN INN IN The student has only a basic understanding of 2/5. Either the student doesn't recognize an equivalent fraction for 2/5 or does understand that all 5 parts must be equal sized in figure 1b.

<u>O points:</u> YYYY, YNYY, NNNN, NNYY, NYNN, NYNN, NYNY, NYNN, NNNN, NYNY, <u>B</u>WYN, NNNY. The student demonstrates inconsistent understanding of Z/S or answers⁷ Yr to figure 1d, clearly showing a misunderstanding of what 2/S means. Figure 1d is considered a "disqualifier" and a naswer of Yr to this part of the time would cancel out any other correct responses as "guesses" on the part of the student.

Source: https://sbacpt.tds.airast.org/student/

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SMARTER BALANCED PROBLEM TYPES - Technology-enhanced items - Use technology to collect evidence through a non-traditional response type, such as editing text or drawing an object.

5 ()	97
Joanna has the following	blocks:
 2 hundreds 16 tens 5 ones 	
Lynn thinks that Joanna model 342 with the block has.	cannot cs she
Click blocks to show that incorrect.	: Lynn is

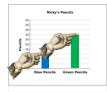
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9				091
So	lve	th	e problem.	
90	4 -	25	6 = 🗌	
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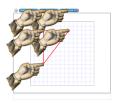
Source: https://sbacpt.tds.airast.org/student/



091 20 ks of pencils. ains 15 pencils. In ncils are blue and Create a bar graph to show how many of each color pencil Nicky has. Click the graph to show where the top of the bar should go.







Source: https://sbacpt.tds.airast.org/student/

Source: https://sbacpt.tds.airast.org/student/

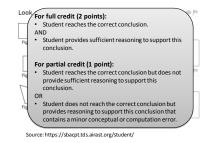
Source: https://sbacpt.tds.airast.org/student/

1 091 The graph of $y = x^2$ is shown on the grid. Drag the graph to show $y = (x - 4)^2 + 2$.



Source: https://sbacpt.tds.airast.org/student/





For full credit (2 points):

 Student reaches the correct conclusion.
 AND Ti 4:00 6:00 Student provides sufficient reasoning to support this conclusion.

Rob tem For partial credit (1 point):

- Student reaches the correct conclusion but does not provide sufficient reasoning to support this conclusion. OR
- Student does not reach the correct conclusion but provides reasoning to support this conclusion that contains a minor conceptual or computation error.

Source: https://sbacpt.tds.airast.org/student/

SMARTER BALANCED PROBLEM TYPES • Selected-response items • Constructed-response items • Constructed-response items • Ornstructed-response items • Ornstructed-response items • Constructed-response items • Constructed-response items • Constructed-response items • Constructed-response items • Ornstructed-response items • Ornstructed-response items • Constructed-response items • Constructed-res

Performance Tasks

• Elementary School: Planting Tulips • Middle School: Taking a Field Trip • High School: Thermometer Crickets

Smarter Balanced Pilot Test

https://sbacpt.tds.airast.org/student

BREAKING DOWN THE CONTENT STANDARDS

Domain and Conceptual Categories <u>1</u> 2 3 4 5 6 7 8 K HS ions in Base Ten Proportional Relationships Number and Quantity The Number System

BREAKING DOWN THE CONTENT STANDARDS BREAKING Categories Reading the Content Standards



Cluster

Final Barting with factors and multiples.
Final Bartor pairs for a whole number in the range I-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given one-digit number. Determine whether a given one-digit number. Determine whether a given one-digit number. Determine whether a given one-digit number.

Generate and analyze patterns.

ő

BREAKING DOWN THE CONTENT STANDARDS CONTENT CONTENT STANDARDS

Illustrative Mathematics





				Geometry		cornerd are		
robebelity	Statistics and P	Sh			Deta	rement an	Meana	
System	The Number I	1		10	in Base T	Operations	kambor and	N.
Equations	pressions and	Equ		9	sic Thinkin	and Algebri	Operations	C
Function	ios and contonal fionships	Propor	dons	and Opera Fractions				Counting and Cardinality

Grade 3

Develop understanding of factors as numbers. Understand a factor has a solution in the standard base of the second base of the

3.NF Note at

Content Standards Review

- Read your course standards • Overview
- Reference standards on illustrativemathematics.org
- Review standards for one or more grade levels above and below

NEXT

STEPS

