

TEST ADMINISTRATOR MANUAL

Algebra I

STAAR Alternate 2

Administered April 2016

RELEASED

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Texas Essential Knowledge and Skills (TEKS) Curriculum Assessed

Algebra I		Cluster 1
Reporting Category 1	Number and Algebraic Methods: T demonstrate an understanding of methods to manipulate numbers, e equations.	how to use algebraic
Knowledge and Skills Statement A.12	The student applies the mathematical process standards and algebraic methods to write, solve, analyze, and evaluate equations, relations, and functions.	
Essence Statement	Finds values for or identifies functions, sequences, or formulas.	
Item 1 Prerequisite Skill	represent real-world relationships using number pairs in a table and verbal descriptions (3)	
Item 2 Prerequisite Skill	represent real-world relationships using number pairs in a table and verbal descriptions (3)	
Item 3 Prerequisite Skill	represent problems using an input numerical expressions to generate follows a given rule representing t values in the resulting sequence a sequence (4)	e a number pattern that he relationship of the
Item 4 Prerequisite Skill	represent mathematical and real-v involving ratios and rates using sca graphs, and proportions (6)	

Algebra I		Cluster 2
Reporting Category 3	Writing and Solving Linear Functi and Inequalities: The student wil understanding of how to write an equations, and inequalities.	l demonstrate an
Knowledge and Skills Statement A.2	The student applies the mathematical process standards when using properties of linear functions to write and represent in multiple ways, with and without technology, linear equations, inequalities, and systems of equations.	
Essence Statement	Determines linear equations using attributes or representations.	
Item 5 Prerequisite Skill	represent word problems involving addition and subtraction of whole numbers up to 20 using concrete and pictorial models and number sentences (1)	
Item 6 Prerequisite Skill	represent word problems involving addition and subtraction of whole numbers up to 20 using concrete and pictorial models and number sentences (1)	
Item 7 Prerequisite Skill	generate a numerical pattern when form $y = ax$ or $y = x + a$ and gradient	
Item 8 Prerequisite Skill	apply qualitative and quantitative prediction and comparison of rea involving ratios and rates (6)	

Algebra I		Cluster 3
Reporting Category 2	Describing and Graphing Linear F and Inequalities: The student wil understanding of how to describe functions, equations, and inequa	l demonstrate an and graph linear
Knowledge and Skills Statement A.3	The student applies the mathematical process standards when using graphs of linear functions, key features, and related transformations to represent in multiple ways and solve, with and without technology, equations, inequalities, and systems of equations.	
Essence Statement	Determines key features or grapl functions.	nical solutions for linear
Item 9 Prerequisite Skill	represent and solve one- and two-step multiplication and division problems within 100 using arrays, strip diagrams, and equations (3)	
Item 10 Prerequisite Skill	represent and solve one- and two division problems within 100 usir and equations (3)	
Item 11 Prerequisite Skill	apply qualitative and quantitative prediction and comparison of rea involving ratios and rates (6)	
Item 12 Prerequisite Skill	apply qualitative and quantitative prediction and comparison of rea involving ratios and rates (6)	

Algebra I		Cluster 4
Reporting Category 5	Exponential Functions and Equat demonstrate an understanding o write exponential functions and e	f how to describe and
Knowledge and Skills Statement A.9	The student applies the mathematical process standards when using properties of exponential functions and their related transformations to write, graph, and represent in multiple ways exponential equations and evaluate, with and without technology, the reasonableness of their solutions. The student formulates statistical relationships and evaluates their reasonableness based on real-world data.	
Essence Statement	Uses exponential functions to model or solve problems using real-world data.	
Item 13 Prerequisite Skill	represent problems using an input-output table and numerical expressions to generate a number pattern th follows a given rule representing the relationship of the values in the resulting sequence and their position in th sequence (4)	
Item 14 Prerequisite Skill	represent problems using an inpunient of the numerical expressions to generation follows a given rule representing values in the resulting sequence sequence (4)	te a number pattern that the relationship of the

Algebra I		Cluster 4
Item 15 Prerequisite Skill	model and solve one-variable, or inequalities that represent proble concepts (6)	
Item 16 Prerequisite Skill	model and solve one-variable, or inequalities that represent proble concepts (6)	

Algebra I		Cluster 5
Reporting Category 4	Quadratic Functions and Equation demonstrate an understanding of and solve quadratic functions and	how to describe, write,
Knowledge and Skills Statement A.8	The student applies the mathematical process standards to solve, with and without technology, quadratic equation and evaluate the reasonableness of their solutions. The student formulates statistical relationships and evaluates their reasonableness based on real-world data.	
Essence Statement	Uses quadratic equations to model or solve problems using real-world data.	
Item 17 Prerequisite Skill	represent real-world relationships using number pairs in table and verbal descriptions (3)	
Item 18 Prerequisite Skill	represent real-world relationships using number pairs in a table and verbal descriptions (3)	
Item 19 Prerequisite Skill	recognize the difference between multiplicative numerical patterns (5)	
Item 20 Prerequisite Skill	model and solve one-variable, on inequalities that represent proble concepts (6)	

Additional resources for STAAR Alternate 2, including the STAAR Alternate 2 Test Administrator Manual and the STAAR Alternate 2 Educator Guide, are available online: http://tea.texas.gov/student.assessment/ special-ed/staaralt/

ALGEBRA I

- Present Stimulus 1. Communicate: A student rides a bus to the store.
- Direct the student to the first row in the table. Communicate: One trip costs \$4.00.
- *Direct* the student to the second row of the table. *Communicate:* **Two trips cost \$8.00.**
- *Direct* the student to the empty cell. *Communicate:* **The cost for 3 trips is missing from the table.**
- Direct the student to the "\$12.00." Communicate: Three bus trips cost \$12.00.
- Direct the student back to the empty cell. Communicate: Here is where the \$12.00 goes in the table.
- Communicate: Find where the \$12.00 goes in the table.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the empty cell,	-	mark A for question 1 and move to question 2.
If the student does not find the empty cell,	-	 remove the stimulus; wait at least five seconds; and replicate the initial presentation instructions.
After the five-second wait time, if the student finds the empty cell,	-	mark B for question 1 and move to question 2.
After the five-second wait time, if the student does not find the empty cell,	-	mark C for question 1 and move to question 2.

- Present Stimulus 2a and 2b.
- *Direct* the student to the table. *Communicate:* This table shows the number of bus trips a student takes and the cost of the trips.
- *Direct* the student to each completed row in the table. *Communicate:* **One trip, 4 dollars. Two trips, 8 dollars. Three trips, 12 dollars.**
- *Direct* the student to the empty row. *Communicate:* **The number pair that belongs in this row of the table is missing.**
- *Direct* the student to each answer choice in Stimulus 2b. *Communicate* each answer choice.
- Communicate: Find the number pair that belongs in the empty row.

Stimulus 2a					
	Number of Bus Trips	Cost			
	1	\$4.00			
	2	\$8.00			
	3	\$12.00			
Stimulus 2b					
	* 4	\$16.00]		
			7		
	5	\$16.00	<u>]</u>		

Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the row with 4 and \$16.00,	-	mark A for question 2 and move to question 3.
If the student does not find the row with 4 and \$16.00,		 model the desired student action by finding the row with 4 and \$16.00 and <i>communicate</i> "This is the number pair that belongs in the empty row"; and replicate the initial presentation instructions.
After teacher modeling, if the student finds the row with 4 and \$16.00,	-	mark B for question 2 and move to question 3.
After teacher modeling, if the student does not find the row with 4 and \$16.00,	-	mark C for question 2 and move to question 3.

- Present Stimulus 3a and 3b.
- *Direct* the student to Stimulus 3a. *Communicate:* This table shows the number of songs a student buys on the Internet and their cost. Two number pairs are missing in the table.
- Communicate the information in the table. Communicate each answer choice.
- Direct the student to each answer choice in Stimulus 3b.
- Communicate: Find the number pairs that are missing in the table.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the number pairs "6, \$18.00" and "8, \$24.00,"	-	mark A for question 3 and move to question 4.
If the student does not find the number pairs "6, \$18.00" and "8, \$24.00,"	-	 provide one of these allowable teacher assists to the student: Have the student identify the pattern in each row of the table. OR Highlight the empty cells in the table. OR Have the student try out each answer choice in the table. OR Allow the student to use a calculator. Replicate the initial presentation instructions.
After the selected teacher assistance, if the student finds the number pairs "6, \$18.00" and "8, \$24.00,"	-	mark B for question 3 and move to question 4.
After the selected teacher assistance, if the student does not find the number pairs "6, \$18.00" and "8, \$24.00,"	-	mark C for question 3 and move to question 4.

- Present Stimulus 4a and 4b. Communicate: A student waters lawns in the summer.
- *Direct* the student to Stimulus 4a. *Communicate:* This table shows the gallons of water the student uses for the number of lawns she waters.
- Direct the student to each answer choice in Stimulus 4b.
- Communicate: Find the graph that shows the same data as the table.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the line graph,	-	mark A for question 4 and move to question 5.	
If the student does not find the line graph,	-	replicate the initial presentation instructions.	
After the teacher repeats the instructions, if the student finds the line graph,	-	mark B for question 4 and move to question 5.	
After the teacher repeats the instructions, if the student does not find the line graph,	-	mark C for question 4 and move to question 5.	

- Present Stimulus 5.
- *Direct* the student to the equation. *Communicate:* This equation shows that 7 + 8 equals 15.
- Communicate: Find the equation that shows 8 has been added.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the equation,	-	mark A for question 5 and move to question 6.
If the student does not find the equation,		 remove the stimulus; wait at least five seconds; and replicate the initial presentation instructions.
After the five-second wait time, if the student finds the equation,	-	mark B for question 5 and move to question 6.
After the five-second wait time, if the student does not find the equation,	-	mark C for question 5 and move to question 6.

- Present Stimulus 6a and 6b.
- *Direct* the student to the equations in Stimulus 6a. *Communicate:* These equations show that 8 is added to 7 to equal 15 and that 8 is added to 6 to equal 14.
- *Direct* the student to each answer choice in Stimulus 6b. *Communicate* each answer choice.
- Communicate: Find the table that shows the same pattern as the equations.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the table with "7, 15" and "6, 14" in Stimulus 6b,	-	mark A for question 6 and move to question 7.	
If the student does not find the table with "7, 15" and "6, 14" in Stimulus 6b,		 model the desired student action by finding the table with "7, 15" and "6, 14" in Stimulus 6b and <i>communicate</i> "This table shows the same 'plus eight' pattern as the equations"; and replicate the initial presentation instructions. 	
After teacher modeling, if the student finds the table with "7, 15" and "6, 14" in Stimulus 6b,	-	mark B for question 6 and move to question 7.	
After teacher modeling, if the student does not find the table with "7, 15" and "6, 14" in Stimulus 6b,	-	mark C for question 6 and move to question 7.	

- Present Stimulus 7a and 7b.
- *Direct* the student to the equations in Stimulus 7a. *Communicate:* These equations are part of a pattern where each number is multiplied by 8.
- Communicate the equations in Stimulus 7a.
- Direct the student to the empty box. Communicate: The next equation in this pattern is missing.
- Direct the student to each answer choice in Stimulus 7b. Communicate each answer choice.
- Communicate: Find the next equation in the pattern.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds " $11 \times 8 = 88$,"	-	mark A for question 7 and move to question 8.	
If the student does not find "11 \times 8 = 88,"		 provide one of these allowable teacher assists to the student: Have the student identify how the first number in each equation changes. OR Have the student use a number line to plot the first number in each equation. OR Allow the student to use a calculator or multiplication chart. Replicate the initial presentation instructions. 	
After the selected teacher assistance, if the student finds " $11 \times 8 = 88$,"	-	mark B for question 7 and move to question 8.	
After the selected teacher assistance, if the student does not find " $11 \times 8 = 88$,"	-	mark C for question 7 and move to question 8.	

- Present Stimulus 8a and 8b. Communicate: Chairs are needed for an event with 30 people.
- *Direct* the student to Stimulus 8a. *Communicate:* **The 30 chairs can be arranged in 5 rows or 2 rows.**
- Direct the student to the equation in Stimulus 8a. Communicate the equation.
- Direct the student to each answer choice in Stimulus 8b.
- Communicate: Find the pair of numbers that completes the equation.



Scoring Instructions				
Student Action	Test Administrator Action			
If the student finds 6 and 15 in	-	mark A for question 8 and move to question 9.		
Stimulus 8b,				
If the student does not find 6 and 15 in	-	replicate the initial presentation instructions.		
Stimulus 8b,				
After the teacher repeats the instructions, if the student finds 6 and 15 in Stimulus 8b,	-	mark B for question 8 and move to question 9.		
After the teacher repeats the instructions, if the student does not find $\boxed{6}$ and $\boxed{15}$ in Stimulus 8b,	-	mark C for question 8 and move to question 9.		

- Present Stimulus 9.
- *Direct* the student to Stimulus 9. *Communicate:* **A student buys a cap for \$12.00 and a T-shirt for \$24.00.**
- Communicate: Find the T-shirt that is two times the price of the cap.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the T-shirt,	-	mark A for question 9 and move to question 10.	
If the student does not find the T-shirt,	-	 remove the stimulus; wait at least five seconds; and replicate the initial presentation instructions. 	
After the five-second wait time, if the student finds the T-shirt,	-	mark B for question 9 and move to question 10.	
After the five-second wait time, if the student does not find the T-shirt,	-	mark C for question 9 and move to question 10.	

- Present Stimulus 10a and 10b.
- *Direct* the student to Stimulus 10a. *Communicate:* **A student buys a T-shirt that is two times the price of the cap.**
- *Direct* the student to each answer choice in Stimulus 10b. *Communicate:* These shoes have a price of \$24.00. This bracelet has a price of \$12.00.
- Communicate: Find the item that has a price of \$24.00.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the shoes,	-	mark A for question 10 and move to question 11.	
If the student does not find the shoes,		 model the desired student action by finding the shoes and <i>communicate</i> "These shoes have a price of \$24.00"; and replicate the initial presentation instructions. 	
After teacher modeling, if the student finds the shoes,	-	mark B for question 10 and move to question 11.	
After teacher modeling, if the student does not find the shoes,	-	mark C for question 10 and move to question 11.	

- Present Stimulus 11a and 11b.
- *Direct* the student to Stimulus 11a. *Communicate:* A student has \$100.00 to spend. She wants to spend her money on either a cell phone or DVDs.
- *Direct* the student to the first line on the graph. *Communicate:* This line shows that the student can buy one cell phone for \$100.00.
- *Direct* the student to the second line on the graph. *Communicate:* This line shows that the student can buy 10 DVDs for \$100.00.
- *Direct* the student to the stem and each answer choice in Stimulus 11b. *Communicate* the text in the stem and each answer choice.
- Communicate: Find the statement that matches what the graph shows.



Stimulus 11b

The student can buy -

* more DVDs than cell phones, because the cost of the cell phone is 10 times the cost of a DVD

more cell phones than DVDs, because the cost of the DVDs is 10 times the cost of a cell phone

the same number of cell phones as DVDs, because they both cost the same amount

Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the statement that begins "more DVDs than cell phones ,"	-	mark A for question 11 and move to question 12.	
If the student does not find the statement that begins "more DVDs than cell phones ,"	-	 provide one of these allowable teacher assists to the student: Role-play purchasing one cell phone for \$100.00 and 10 DVDs for \$100.00. OR Highlight each DVD and cell phone on the graph. 	
		Replicate the initial presentation instructions.	
After the selected teacher assistance, if the student finds the statement that begins "more DVDs than cell phones ,"		mark B for question 11 and move to question 12.	
After the selected teacher assistance, if the student does not find the statement that begins "more DVDs than cell phones ,"		mark C for question 11 and move to question 12.	

- *Present* Stimulus 12a and 12b. *Communicate:* A student is buying sports drinks at a store and wants the better deal. The student knows that to get the better deal, he needs to spend less money per bottle.
- Direct the student to Stimulus 12a. Communicate: A 10-pack of sports drinks costs \$20.00. A
 5-pack of sports drinks costs \$15.00.
- *Direct* the student to each answer choice in Stimulus 12b. *Communicate* the text in each answer choice.
- Communicate: Find the statement that tells which pack of sports drinks is a better deal because of a lower cost per bottle.

	E Dl.	
10-Pack	5-Pack	
	= \$15.00	
= \$20.00	φ10.00	
The 5-pack is a better deal, because \$15.00 is less than \$20.00.		
*		
The 10-pack is a better deal, because each bottle costs \$2.00.		
	The 5-pack is a be each bottle costs : The 5-pack is a be \$15.00 is less than * The 10-pack is a be	Image: strain of the second strain of the

Scoring Instructions				
Student Action		Test Administrator Action		
If the student finds the statement "The 10-pack is a better deal, because each bottle costs \$2.00,"	-	mark A for question 12 and move to question 13.		
If the student does not find the statement "The 10-pack is a better deal, because each bottle costs \$2.00,"	-	replicate the initial presentation instructions.		
After the teacher repeats the instructions, if the student finds the statement "The 10-pack is a better deal, because each bottle costs \$2.00,"	-	mark B for question 12 and move to question 13.		
After the teacher repeats the instructions, if the student does not find the statement "The 10-pack is a better deal, because each bottle costs \$2.00,"	-	mark C for question 12 and move to question 13.		

- Present Stimulus 13.
- *Direct* the student to Stimulus 13. *Communicate:* This is a table of numbers. In each row, the same factor is used one more time to get the numbers in the second column.
- Communicate: Find the table of numbers.

Stimulus 13		
*	2	2
	2 × 2	4
	2 × 2 × 2	8

Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the table,		mark A for question 13 and move to question 14.	
If the student does not find the table,	-	 remove the stimulus; wait at least five seconds; and replicate the initial presentation instructions. 	
After the five-second wait time, if the student finds the table,	-	mark B for question 13 and move to question 14.	
After the five-second wait time, if the student does not find the table,		mark C for question 13 and move to question 14.	

- Present Stimulus 14a and 14b.
- *Direct* the student to Stimulus 14a. *Communicate:* This is a table of numbers where the number two is being used as a factor one more time in each row.
- Direct the student to each answer choice in Stimulus 14b.
- Communicate: Find the column that shows how the same factor is used one more time in each row.

Stimulus 14a			
	2	2	
	2 × 2	4	
	2 × 2 × 2	8	
Stimulus 14b			
	2	2	
	2 + 2	2 × 2	
	2 + 2 + 2	2 × 2 × 2	

Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the column with 2, 2×2 , and $2 \times 2 \times 2$,	-	mark A for question 14 and move to question 15.	
If the student does not find the column with 2, 2×2 , and $2 \times 2 \times 2$,		 model the desired student action by finding the column with 2, 2 × 2, and 2 × 2 × 2 and communicate "This is the column that shows how the same factor is used one more time in each row"; and replicate the initial presentation instructions. 	
After teacher modeling, if the student finds the column with 2, 2×2 , and $2 \times 2 \times 2$,	-	mark B for question 14 and move to question 15.	
After teacher modeling, if the student does not find the column with 2, 2 \times 2, and 2 \times 2 \times 2,	-	mark C for question 14 and move to question 15.	

- Present Stimulus 15a and 15b.
- *Direct* the student to Stimulus 15a. *Communicate:* This table shows a number pattern. The numbers in the fourth row of this table are missing.
- Direct the student to each answer choice in Stimulus 15b.
- Communicate: Find the numbers that belong in the fourth row of the table.

Stimulus 15a			
	3	3	
	3 × 3	9	
	3 × 3 × 3	27	
Stimulus 15b			
	3 × 3 × 3 × 3 × 3	243	
	* 3 × 3 × 3 × 3	81	
	3 + 3 + 3 + 3	12	
	L		

Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the row with " $3 \times 3 \times 3 \times 3$ " and "81,"		mark A for question 15 and move to question 16.	
		provide one of these allowable teacher assists to the student:	
If the student does not find the row with " $3 \times 3 \times 3 \times 3$ " and "81,"		 Have the student identify the pattern in the first column of the table. OR Highlight the numbers on the right side of the table. OR Highlight the operation symbols on the left side of the table. 	
		Replicate the initial presentation instructions.	
After the selected teacher assistance, if the student finds the row with " $3 \times 3 \times 3 \times 3$ " and "81,"		mark B for question 15 and move to question 16.	
After the selected teacher assistance, if the student does not find the row with $"3 \times 3 \times 3 \times 3"$ and "81,"		mark C for question 15 and move to question 16.	

- Present Stimulus 16.
- Communicate: A rancher had deer on his land. The number of deer doubled each year.
- *Direct* the student to each answer choice.
- Communicate: Find the table that shows that the number of deer doubled each year.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the table with the number of deer equal to 2, 4, and 8,	-	mark A for question 16 and move to question 17.	
If the student does not find the table with the number of deer equal to 2, 4, and 8,		replicate the initial presentation instructions.	
After the teacher repeats the instructions, if the student finds the table with the number of deer equal to 2, 4, and 8,		mark B for question 16 and move to question 17.	
After the teacher repeats the instructions, if the student does not find the table with the number of deer equal to 2, 4, and 8,	-	mark C for question 16 and move to question 17.	

- Present Stimulus 17.
- *Direct* the student to Stimulus 17. *Communicate:* This is one row of a table that shows how the side length and the area of a square are related.
- *Direct* the student to the row of data in the table. *Communicate:* A square has a side length of 2 feet. 2 feet × 2 feet equals an area of 4 square feet.
- Communicate: Find the table that shows 2 × 2.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the table,		mark A for question 17 and move to question 18.	
If the student does not find the table,		 remove the stimulus; wait at least five seconds; and replicate the initial presentation instructions. 	
After the five-second wait time, if the student finds the table,		mark B for question 17 and move to question 18.	
After the five-second wait time, if the student does not find the table,		mark C for question 17 and move to question 18.	

- Present Stimulus 18a and 18b.
- *Direct* the student to Stimulus 18a. *Communicate:* The table now has more rows that show how the side lengths and the areas of squares are related.
- *Direct* the student to the first row of data in the table. *Communicate:* **The first row of the table shows that a square has a side length of 2 feet. 2 feet × 2 feet equals an area of 4 square feet.**
- *Direct* the student to the second row of data in the table. *Communicate:* **The second row of the table shows that a square has a side length of 3 feet. 3 feet x 3 feet equals an area of 9 square feet.**
- Direct the student to the empty triangle in the third row of the table. Communicate: The side length is
 missing from this row. 4 feet × 4 feet equals an area of 16 square feet.
- Communicate: Find the side length that is missing.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds "4" in Stimulus 18b,		mark A for question 18 and move to question 19.	
If the student does not find "4" in Stimulus 18b,		 model the desired student action by finding "4" in Stimulus 18b and <i>communicate</i> "Four feet is the side length that is missing"; and replicate the initial presentation instructions. 	
After teacher modeling, if the student finds "4" in Stimulus 18b,		mark B for question 18 and move to question 19.	
After teacher modeling, if the student does not find "4" in Stimulus 18b,		mark C for question 18 and move to question 19.	

- Present Stimulus 19a and 19b.
- *Direct* the student to Stimulus 19a. *Communicate:* The areas of these three squares are given. The side lengths for the first two squares are given. The side length is missing for the square that has an area of 25 square feet.
- Direct the student to each answer choice in Stimulus 19b.
- Communicate: Find the equation that can be used to find the side length of the square with an area of 25 square feet.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds $\triangle \times \triangle = 25$,		mark A for question 19 and move to question 20.	
If the student does not find $\triangle \times \triangle = 25$,	•	 provide one of these allowable teacher assists to the student: Highlight the length and width on each square in Stimulus 19a. OR Have the student identify the formula for the area of a square. OR Have the student try out the missing side length in each answer choice. OR Allow the student to use a calculator or multiplication chart. Replicate the initial presentation instructions. 	
After the selected teacher assistance, if the student finds $\Delta \times \Delta = 25$,		mark B for question 19 and move to question 20.	
After the selected teacher assistance, if the student does not find $\triangle \times \triangle = 25$,		mark C for question 19 and move to question 20.	

- Present Stimulus 20a and 20b.
- *Direct* the student to the area of each square in Stimulus 20a. *Communicate* the area of each square.
- *Direct* the student to one side of each of the first two squares. *Communicate:* This is the side length of the first square. This is the side length of the second square.
- *Direct* the student to one side of the third square. *Communicate:* The side length of the square with an area of 36 square feet is missing.
- Direct the student to each answer choice in Stimulus 20b.
- Communicate: Find the side length of the square with an area of 36 square feet.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds "6 feet,"		mark A for question 20.	
If the student does not find "6 feet,"		replicate the initial presentation instructions.	
After the teacher repeats the instructions, if the student finds "6 feet,"		mark B for question 20.	
After the teacher repeats the instructions, if the student does not find "6 feet,"	-	mark C for question 20.	

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STAAR ALTERNATE 2 Algebra I April 2016