

TEST ADMINISTRATOR MANUAL

GRADE 3 Mathematics STAAR Alternate 2

Administered April 2016

RELEASED

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Texas Essential Knowledge and Skills (TEKS) Curriculum Assessed

Grade 3 Mathematics		Cluster 1
Reporting Category 1	Numerical Representations and R student will demonstrate an under represent and manipulate number	erstanding of how to
Knowledge and Skills Statement 3.2	The student applies mathematica represent and compare whole nu relationships related to place value	mbers and understand
Essence Statement	Uses whole number relationships to demonstrate an understanding of place value.	
Item 1 Prerequisite Skill	count up to 10 items, and demonstrate that the last count indicates how many items were counted (P-K)	
Item 2 Prerequisite Skill	count 1-10 items, with one count	t per item (P-K)
Item 3 Prerequisite Skill	read, write, and represent whole least 20 with and without objects	
Item 4 Prerequisite Skill	order whole numbers up to 120 u open number lines (1)	ising place value and

Grade 3 Mathematics		Cluster 2
Reporting Category 3	Geometry and Measurement: The demonstrate an understanding of apply geometry and measuremer	f how to represent and
Knowledge and Skills Statement 3.7	The student applies mathematica select appropriate units, strategie problems involving customary an	es, and tools to solve
Essence Statement	Solves problems involving perime (capacity), or weight.	eter, time, liquid volume
Item 5 Prerequisite Skill	use language to describe concept passing of time (P-K)	ts associated with the
Item 6 Prerequisite Skill	use language to describe concept passing of time (P-K)	ts associated with the
Item 7 Prerequisite Skill	use language to describe concept passing of time (P-K)	ts associated with the
Item 8 Prerequisite Skill	use language to describe concept passing of time (P-K)	ts associated with the

Grade 3 Mathematics		Cluster 3	
Reporting Category 4	Data Analysis and Personal Finan will demonstrate an understandir and analyze data and how to des financial concepts.	ng of how to represent	
Knowledge and Skills Statement 3.8	The student applies mathematical process standards to solve problems by collecting, organizing, displaying, and interpreting data.		
Essence Statement	Uses graphs to organize and interpret data.		
Item 9 Prerequisite Skill	collect data and organize it in a graphic representation (P-K)		
Item 10 Prerequisite Skill	collect data and organize it in a c (P-K)	praphic representation	
Item 11 Prerequisite Skill	collect, sort, and organize data ir categories (K)	nto two or three	
Item 12 Prerequisite Skill	collect, sort, and organize data ir categories (K)	nto two or three	

Grade 3 Mathematics		Cluster 4	
Reporting Category 2	Computations and Algebraic Rela will demonstrate an understandir operations and represent algebra	ng of how to perform	
Knowledge and Skills Statement 3.5	The student applies mathematica analyze and create patterns and		
Essence Statement	Models or solves problems involving whole number relationships.		
Item 13 Prerequisite Skill	recognize and create patterns (P-	-К)	
Item 14 Prerequisite Skill	recognize and create patterns (P-	-К)	
Item 15 Prerequisite Skill	recognize and create patterns (P-	-К)	
Item 16 Prerequisite Skill	explain the strategies used to sol adding and subtracting within 10 concrete and pictorial models, an	using spoken words,	

Grade 3 Mathematics		Cluster 5
Reporting Category 2	Computations and Algebraic Rela will demonstrate an understandir operations and represent algebra	ig of how to perform
Knowledge and Skills Statement 3.4	The student applies mathematica to develop and use strategies and number computations in order to efficiency and accuracy.	d methods for whole
Essence Statement	Solves problems using operations numbers.	s involving whole
Item 17 Prerequisite Skill	use concrete models or make a v adding up to 5 objects (P-K)	erbal word problem for
Item 18 Prerequisite Skill	use concrete models or make a v adding up to 5 objects (P-K)	erbal word problem for
Item 19 Prerequisite Skill	model the action of joining to rep action of separating to represent	
Item 20 Prerequisite Skill	model the action of joining to rep action of separating to represent	

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/

MATHEMATICS

- Present Stimulus 1.
- Direct the student to the number 2. Communicate: This is the number 2.
- *Direct* the student to each pencil next to the number. *Communicate:* **One pencil, two pencils.**
- Communicate: Find the number 2.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the number 2,	-	mark A for question 1 and move to question 2.
If the student does not find the number 2,	-	 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 number 2,	-	mark B for question 1 and move to question 2.
After the five-second wait time, if the student does not find the number 2,	-	mark C for question 1 and move to question 2.

- Present Stimulus 2a and 2b.
- Direct the student to Stimulus 2a. Communicate: Here are four pencils. One, two, three, four.
- *Direct* the student to each answer choice in Stimulus 2b. *Communicate:* Here are four markers. One, two, three, four. Here is one marker. One.
- Communicate: Find the number of markers that matches the number of pencils.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the four markers,	-	mark A for question 2 and move to question 3.
If the student does not find the four markers,	-	 model the desired student action by finding the four markers and <i>communicate</i> "Here are the four markers that match the four pencils"; and replicate the initial presentation instructions.
After teacher modeling, if the student finds the four markers,	-	mark B for question 2 and move to question 3.
After teacher modeling, if the student does not find the four markers,	-	mark C for question 2 and move to question 3.

- Present Stimulus 3a and 3b.
- Direct the student to the number 6. Communicate: This is the number 6.
- *Direct* the student to each answer choice in Stimulus 3b without counting or revealing the number of markers in each set.
- Communicate: Find the set of 6 markers.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the set of six markers,	-	mark A for question 3 and move to question 4.
If the student does not find the set of six markers,	•	 provide one of these allowable teacher assists to the student: Have the student point to and/or count the markers in each set. OR Allow the student to use a number line or number chart. OR Record the number of markers below each answer choice after the student identifies the number of markers in each set. Replicate the initial presentation instructions.
After the selected teacher assistance, if the student finds the set of six markers,	-	mark B for question 3 and move to question 4.
After the selected teacher assistance, if the student does not find the set of six markers,	-	mark C for question 3 and move to question 4.

- Present Stimulus 4a and 4b.
- Direct the student to Stimulus 4a. Communicate: Four markers, five markers, three markers.
- *Direct* the student to each answer choice in Stimulus 4b.
- Communicate: Find the set of markers with numbers in order from least to greatest.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds the set of markers that shows 3, 4, and 5 in order,	-	mark A for question 4 and move to question 5.
If the student does not find the set of markers that shows 3, 4, and 5 in order,	-	replicate the initial presentation instructions.
After the teacher repeats the instructions, if the student finds the set of markers that shows 3, 4, and 5 in order,	-	mark B for question 4 and move to question 5.
After the teacher repeats the instructions, if the student does not find the set of markers that shows 3, 4, and 5 in order,	-	mark C for question 4 and move to question 5.

- Present Stimulus 5.
- *Direct* the student to the schedule in Stimulus 5. *Communicate:* **A student has a schedule at school. First reading, then math.**
- Communicate: Find what comes after reading.



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

- Present Stimulus 6a and 6b.
- *Direct* the student to the Monday schedule in Stimulus 6a. *Communicate:* A student has a daily schedule at school. First reading, then math, then P.E.
- *Direct* the student to the Tuesday schedule. *Communicate:* **Tuesday's schedule will be the same as Monday's schedule.**
- Direct the student to each answer choice in Stimulus 6b. Communicate: Reading. Math.
- Communicate: Find what the student will do first on Tuesday.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds "Reading" in Stimulus 6b,	-	mark A for question 6 and move to question 7.
If the student does not find "Reading" in Stimulus 6b,	-	 model the desired student action by finding "Reading" in Stimulus 6b and <i>communicate</i> "The student will do reading first on Tuesday"; and replicate the initial presentation instructions.
After teacher modeling, if the student finds "Reading" in Stimulus 6b,	-	mark B for question 6 and move to question 7.
After teacher modeling, if the student does not find "Reading" in Stimulus 6b,	-	mark C for question 6 and move to question 7.

- Present Stimulus 7.
- Direct the student to Stimulus 7. Communicate: A student has a daily schedule at school. Eight o'clock, reading. Nine o'clock, math. Ten o'clock, P.E. Eleven o'clock, science. Twelve o'clock, lunch.
- Communicate: Find the activity on the schedule that comes after P.E. but before lunch.



Scoring Instructions		
Student Action		Test Administrator Action
If the student finds "Science,"	-	mark A for question 7 and move to question 8.
If the student does not find "Science,"		 provide one of these allowable teacher assists to the student: Ask the student to identify each activity in order on the schedule. OR Highlight P.E. and lunch. OR Have the student tell the time that comes between 10:00 and 12:00 o'clock.
		Replicate the initial presentation instructions.
After the selected teacher assistance, if the student finds "Science,"	-	mark B for question 7 and move to question 8.
After the selected teacher assistance, if the student does not find "Science,"	-	mark C for question 7 and move to question 8.

- Present Stimulus 8a and 8b.
- Direct the student to Stimulus 8a. Communicate: Here are four activities that a student does in one day: Go home from school. Go to bed. Do work at school. Get up in the morning. The activities are not in the order they happen.
- Direct the student to each answer choice in Stimulus 8b. Communicate the text in each answer choice.
- Communicate: Find the activities that are in order as they happen in one day.



Scoring Instructions			
Student Action Test Administrator Action			
If the student finds the activities ordered with "get up in the morning" listed first,	-	mark A for question 8 and move to question 9.	
If the student does not find the activities ordered with "get up in the morning" listed first,	-	replicate the initial presentation instructions.	
After the teacher repeats the instructions, if the student finds the activities ordered with "get up in the morning" listed first,	➡ mark B for question 8 and move to question 9.		
After the teacher repeats the instructions, if the student does not find the activities ordered with "get up in the morning" listed first,	➡ mark C for question 8 and move to question		

- Present Stimulus 9.
- *Direct* the student to the photo of the boy wearing headphones. *Communicate:* This student likes to listen to music using his headphones.
- *Direct* the student to the headphones icon. *Communicate:* **The headphones mean that one student likes to listen to music.**
- Communicate: Find the headphones that mean that one student likes to listen to music.

Stimulus 9



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the headphones icon that means that one student likes to listen to music,	-	mark A for question 9 and move to question 10.	
If the student does not find the headphones icon that means that one student likes to listen to music,	-	 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 headphones icon that means that one student likes to listen to music,	➡ mark B for question 9 and move to question 10		
After the five-second wait time, if the student does not find the headphones icon that means that one student likes to listen to music,	-	mark C for question 9 and move to question 10.	

- Present Stimulus 10a and 10b.
- *Direct* the student to the boy wearing headphones and to the headphone icon in Stimulus 10a. *Communicate:* This student likes to listen to music using his headphones. The headphones mean that one student likes to listen to music.
- *Direct* the student to the girl watching television and the television icon in Stimulus 10a. *Communicate:* **This student likes to watch TV. The TV means that one student likes to watch TV.**
- *Direct* the student to the category labels on the graph in Stimulus 10b. *Communicate:* **This graph will show how many students like to listen to music and how many students like to watch TV.**
- *Direct* the student to the headphones on the graph in Stimulus 10b. *Communicate:* **This shows that one student likes to listen to music.**
- Communicate: Find where to show on the graph that one student likes to watch TV.



Scoring Instructions				
Student Action Test Administrator Action				
If the student finds the space in the TV column where the television belongs,	-	mark A for question 10 and move to question 11.		
If the student does not find the space in the TV column where the television belongs,	-	 model the desired student action by finding the space in the TV column where the television belongs and <i>communicate</i> "The TV goes in the TV column to show that one student likes to watch TV"; and replicate the initial presentation instructions. 		
After teacher modeling, if the student finds the space in the TV column where the television belongs,	-	mark B for question 10 and move to question 11.		
After teacher modeling, if the student does not find the space in the TV column where the television belongs,	-	mark C for question 10 and move to question 11.		

- Present Stimulus 11a and 11b.
- *Direct* the student to the data on the graph in Stimulus 11a. *Communicate:* **Students were asked what** they chose for lunch. This graph shows the number of students who chose a pizza, a sandwich, or a hamburger.
- *Direct* the student to the category labels on the graph in Stimulus 11a. *Communicate:* **One of the category labels is missing.**
- *Direct* the student to each answer choice in Stimulus 11b.
- Communicate: Find the missing category label.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the hamburger in Stimulus 11b,	→ mark A for question 11 and move to question 12.		
		provide one of these allowable teacher assists to the student:	
If the student does not find the hamburger in Stimulus 11b,		 Have the student identify the different kinds of food on the graph and/or in the answer choices. OR Highlight the category label row. 	
		Replicate the initial presentation instructions.	
After the selected teacher assistance, if the student finds the hamburger in Stimulus 11b,	-	mark B for question 11 and move to question 12.	
After the selected teacher assistance, if the student does not find the hamburger in Stimulus 11b,	-	mark C for question 11 and move to question 12.	

- Present Stimulus 12a and 12b.
- *Direct* the student to Stimulus 12a. *Communicate:* A student asked six of her classmates about their lunch choices. The chart shows how many students chose a pizza, a sandwich, or a hamburger.
- Communicate the text in Stimulus 12a.
- Direct the student to each answer choice in Stimulus 12b.
- Communicate: Find the graph that shows the data from the chart.



Scoring Instructions					
Student Action Test Administrator Action					
If the student finds the graph that shows three pizzas, one sandwich, and two hamburgers,	-	mark A for question 12 and move to question 13.			
If the student does not find the graph that shows three pizzas, one sandwich, and two hamburgers,	-	replicate the initial presentation instructions.			
After the teacher repeats the instructions, if the student finds the graph that shows three pizzas, one sandwich, and two hamburgers,	➡ mark B for question 12 and move to question 13.				
After the teacher repeats the instructions, if the student does not find the graph that shows three pizzas, one sandwich, and two hamburgers,	➡ mark C for question 12 and move to question 13.				

- Present Stimulus 13.
- *Direct* the student to Stimulus 13. *Communicate:* This is a pattern of numbers. One, two. One, two.
- Communicate: Find the "one, two" pattern of numbers.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the "one, two" pattern,	-	mark A for question 13 and move to question 14.	
If the student does not find the "one, two" pattern,	-	 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 "one, two" pattern,	t mark B for question 13 and move to question 14.		
After the five-second wait time, if the student does not find the "one, two" pattern,	-	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 pattern of numbers. One, two. One, two.
- *Direct* the student to the first answer choice in Stimulus 14b. *Communicate:* **One, two. One, two. One, two. One, two.**
- Direct the student to the second answer choice in Stimulus 14b. Communicate: Two, two. Two, two. Two, two.
- Communicate: Find the "one, two" pattern of numbers.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the "one, two" pattern in Stimulus 14b,	-	mark A for question 14 and move to question 15.	
If the student does not find the "one, two" pattern in Stimulus 14b,	 model the desired student action by find the "one, two" pattern in Stimulus 14b a communicate "This is a 'one, two' patt and replicate the initial presentation instruction 		
After teacher modeling, if the student finds the "one, two" pattern in Stimulus 14b,	-	mark B for question 14 and move to question 15.	
After teacher modeling, if the student does not find the "one, two" pattern in Stimulus 14b,	-	mark C for question 14 and move to question 15.	

- Present Stimulus 15a and 15b.
- *Direct* the student to Stimulus 15a. *Communicate:* This is part of a pattern of numbers. Four, five. Four, five. Four, five. Four, five. Four.
- *Direct* the student to the empty box. *Communicate:* **The number that comes next in the pattern is missing.**
- Direct the student to each answer choice in Stimulus 15b.
- Communicate: Find the number that comes next in the pattern.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the number 5 in Stimulus 15b,	➡ 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 number 5 in Stimulus 15b,	-	 Have the student replicate the pattern using number cards. OR Highlight each number in the pattern. OR Have the student identify each number. OR Have the student try out each answer choice in the empty box. 	
		Replicate the initial presentation instructions.	
After the selected teacher assistance, if the student finds the number 5 in Stimulus 15b,	-	mark B for question 15 and move to question 16.	
After the selected teacher assistance, if the student does not find the number 5 in Stimulus 15b,	-	mark C for question 15 and move to question 16.	

- Present Stimulus 16a and 16b.
- *Direct* the student to the first pattern of number pairs in Stimulus 16a. *Communicate:* This is a pattern of number pairs. Two, four. Two, four. Two, four.
- *Direct* the student to the second pattern of number pairs in Stimulus 16a. *Communicate:* This is also a pattern of number pairs. Six, eight. Six, eight. Six, eight.
- *Direct* the student to the stem and each answer choice in Stimulus 16b. *Communicate* the text in the stem and each answer choice.
- Communicate: Find the words that tell the pattern.



Scoring Instructions			
Student Action	Test Administrator Action		
If the student finds "2 more than the first number,"	➡ mark A for question 16 and move to question 17.		
If the student does not find "2 more than the first number,"	-	replicate the initial presentation instructions.	
After the teacher repeats the instructions, if the student finds "2 more than the first number,"	➡ mark B for question 16 and move to question 17.		
After the teacher repeats the instructions, if the student does not find "2 more than the first number,"	-	mark C for question 16 and move to question 17.	

- Present Stimulus 17a and 17b.
- Direct the student to the two stars in Stimulus 17a. Communicate: Here are two stars. One, two.
- Direct the student to the one star in Stimulus 17a. Communicate: One more star will be added.
- *Direct* the student to the three stars in Stimulus 17b. *Communicate:* Now there are three stars. One, two, three.
- Communicate: Find the three stars.



Scoring Instructions			
Student Action		Test Administrator Action	
If the student finds the three stars in Stimulus 17b,	➡ mark A for question 17 and move to question 18.		
If the student does not find the three stars in Stimulus 17b,	-	 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 three stars in Stimulus 17b,	→ mark B for question 17 and move to question 18.		
After the five-second wait time, if the student does not find the three stars in Stimulus 17b,	-	mark C for question 17 and move to question 18.	

- Present Stimulus 18a and 18b.
- *Direct* the student to Stimulus 18a. *Communicate:* This number sentence shows two stars plus one star equals three stars.
- *Direct* the student to each answer choice in Stimulus 18b. *Communicate:* These are also number sentences. One plus one equals two. Two plus one equals three.
- Communicate: Find the number sentence that shows two plus one equals three.



Scoring Instructions				
Student Action Test Administrator Action				
If the student finds the number sentence that shows two plus one equals three in Stimulus 18b,	-	mark A for question 18 and move to question 19.		
If the student does not find the number sentence that shows two plus one equals three in Stimulus 18b,	-	 model the desired student action by finding the number sentence that shows two plus one equals three in Stimulus 18b and <i>communicate</i> "This shows two plus one equals three"; and replicate the initial presentation instructions. 		
After teacher modeling, if the student finds the number sentence that shows two plus one equals three in Stimulus 18b,	-	mark B for question 18 and move to question 19.		
After teacher modeling, if the student does not find the number sentence that shows two plus one equals three 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:* **A student earned a star on a chart each time he helped his teacher.**
- *Direct* the student to the first row of the chart. *Communicate:* **The student earned four stars on Monday.**
- *Direct* the student to the second row of the chart. *Communicate:* **The student earned three stars on Tuesday.**
- Direct the student to each answer choice in Stimulus 19b.
- Communicate: Find the total number of stars the student earned on Monday and Tuesday.

Stimulus 19a						
	Helping	the Teacher				
	Monday	$ \bigstar \bigstar \bigstar \bigstar \bigstar $				
	Tuesday	$\bigstar \bigstar \bigstar$				
	Wednesday					
	Thursday					
	Friday					
Stimulus 19b	$\begin{array}{c} \uparrow \uparrow \uparrow \uparrow \\ \uparrow \uparrow \uparrow \uparrow \\ \uparrow \uparrow \uparrow \uparrow \uparrow \\ \hline 7 \end{array}$	$\begin{array}{c} \swarrow & \bigstar \\ \swarrow & \bigstar \\ & \swarrow \\ & 5 \end{array}$				
$ \begin{array}{c} \swarrow \\ \swarrow \\ \swarrow \\ 3 \end{array} $						

Scoring Instructions				
Student Action		Test Administrator Action		
If the student finds the group of seven stars in Stimulus 19b,	-	mark A for question 19 and move to question 20.		
If the student does not find the group of seven stars in Stimulus 19b,	-	provide one of these allowable teacher assists to the student:		
		 Record the number of stars for each day after the student has identified each number. OR Highlight the stars on the chart. OR Have the student identify the operation to use. 		
		Replicate the initial presentation instructions.		
After the selected teacher assistance, if the student finds the group of seven stars in Stimulus 19b,	-	mark B for question 19 and move to question 20.		
After the selected teacher assistance, if the student does not find the group of seven stars in Stimulus 19b,	-	mark C for question 19 and move to question 20.		

- Present Stimulus 20.
- *Direct* the student to each answer choice in Stimulus 20. *Communicate:* **Students earned stars on charts each time they helped their teacher.**
- Communicate: Find the pair of charts that shows the same total number of stars on each chart.

Stimulus 20		
Helping the Teacher Monday ☆☆☆☆ Tuesday ☆☆☆☆ Wednesday ☆ Thursday Friday	and Helping the Teacher Monday 合合合合合 Wednesday 日 Thursday 日 Friday 日	
Helping the Teacher Monday 会会会 Tuesday 会会会 Wednesday 会会会 Thursday Friday	and Helping the Teacher Monday 会合合 Tuesday 合合 Wednesday Thursday Friday	
Helping the Teacher Monday ☆☆☆☆ Tuesday ☆☆ Wednesday Thursday Friday	And Helping the Teacher Monday 合合合合 Tuesday 合合合合 Wednesday 合 Thursday Friday	

Scoring Instructions				
Student Action		Test Administrator Action		
If the student finds the pair of charts that each show a total of nine stars,	-	mark A for question 20.		
If the student does not find the pair of charts that each show a total of nine stars,	-	replicate the initial presentation instructions.		
After the teacher repeats the instructions, if the student finds the pair of charts that each show a total of nine stars,	-	mark B for question 20.		
After the teacher repeats the instructions, if the student does not find the pair of charts that each show a total of nine stars,	-	mark C for question 20.		

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STAAR ALTERNATE 2 GRADE 3 Mathematics April 2016