# earlyMath Screening Assessments

### Winter of First Grade

Number Sequence, Decomposing & Place Value



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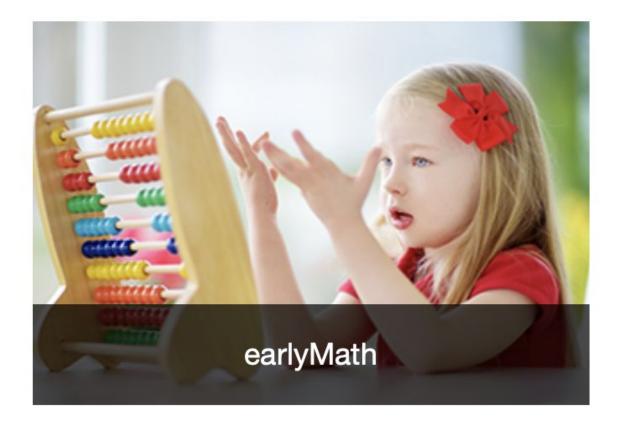
# FastBridge Universal Screening Assessment Grid - Mathematics

Screening Assessment	PK	K	1	2	3	4	5	6	7	8	9	10	11	12
earlyMath Composite*	Х	Х	Х											
aMath				Х	Х	Х	х	Х	х	Х	Х	Х	Х	Х
CBMmath Automaticity Grade 1 - Level 1 GOM (optional) Grade 2 - Level 2 GOM Grades 3 and above - Level 3 GOM			х	Х	х	х	x	x	x	x	X	x	x	×
CBMmath Process (optional)						Х	х	х						
CBMmath CAP (optional)			Х	Х	Х	Х	Х	Х	Х	Х				

#### \*FastBridge earlyMath Composite Subtests

Grade	Fall	Winter	Spring
	Subitizing	Subitizing	Counting Objects
PreK	Counting Objects	Counting Objects	Number ID
	Number ID	Number ID	Number Sequence
Kindergarten	Numeral Identification	Numeral Identification	Numeral Identification
	Match Quantity	Decomposing	Decomposing
	Number Sequence	Number Sequence	Number Sequence
1st Grade	Numeral Identification	Place Value	Place Value
	Decomposing	Decomposing	Decomposing
	Number Sequence	Number Sequence	Story Problems

### Standardization







### Standardization

#### Includes:

- Directions on administration
- What can be said and what should not be said
- Materials that are allowed
- Expectations for taking the test
- Timing guidelines
- Scoring guidelines





## More questions?

#### **Special Accommodations**



Follow

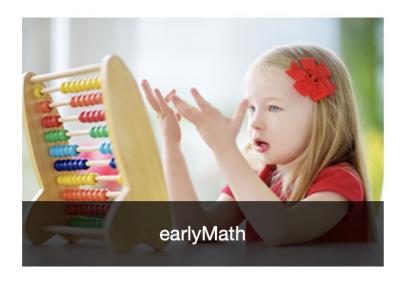
FastBridge™ does not provide them but we do allow certain special accommodations, which may be helpful for students with disabilities or for students on Individual Education Plans (IEPs). These accommodations are allowed for either screening or progress monitoring. Any other accommodations should be listed on the student's IEP.

- CBM assessments, available via paper and pencil, can be taken as needed for any reason.
- Text Magnification
- Sound Amplification
- Extra Breaks
- Preferential Seating and Use of Quiet Space
- Proxy Responses
- Extended Time (for aReading, aMath, and the untimed portions of CBMmath, earlyReading and earlyMath only)
- Students with different needs or abilities may take the computer-based assessments on a tablet-type device to facilitate screen optimization.

Calculators are not allowed unless the student is on an IEP that allows calculators.

Pencil & Paper can be used to help work out the problems (This does not apply to CBMmath Automaticity.)

The tests were normed without accommodations. Anything in the student's IEP is allowed, however, bear in mind that the student's score will be compared to norms and benchmarks that do not take the accommodation into account.







### Number Sequence

- One of 17 subtests for earlyMath
- Assesses student's understanding of the mental number line.
- Test is completely verbal no student materials needed
- Part of the composite score for Winter of 1st grade.



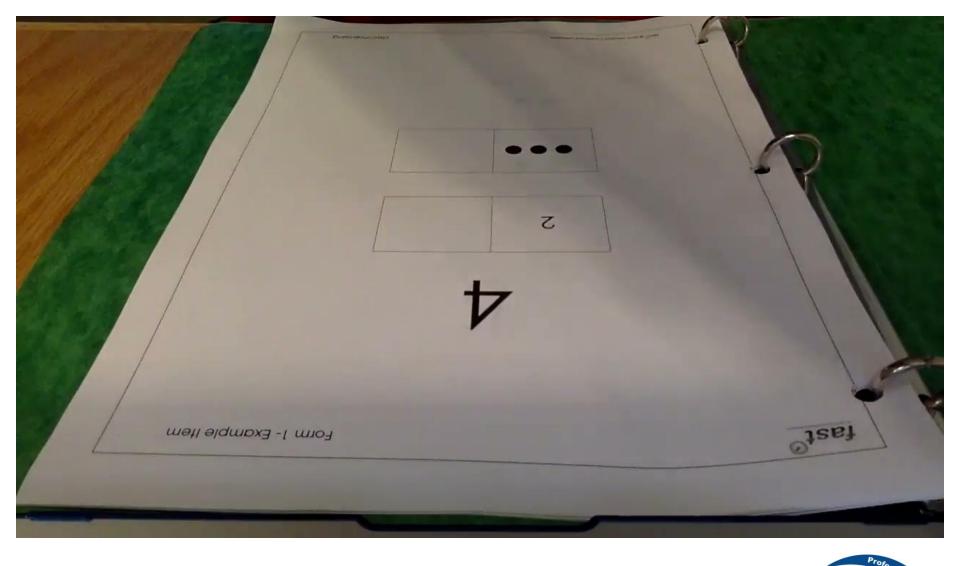


### Decomposing

- One of 17 subtests for earlyMath
- Assesses a student's ability to put together and take apart numbers by using "parts" and a "whole."
- Part of the composite score for Winter of 1st grade
- Also available for progress monitoring











### Place Value

- One of 17 subtests for earlyMath
- Assesses a student's ability to correctly produce the numeral that corresponds with the drawings of a set of base-10 blocks and his/her ability to select the correct grouping of base-10 blocks when presented with a numeral
- Part of the composite score for Winter of 1st grade
- Also available for progress monitoring

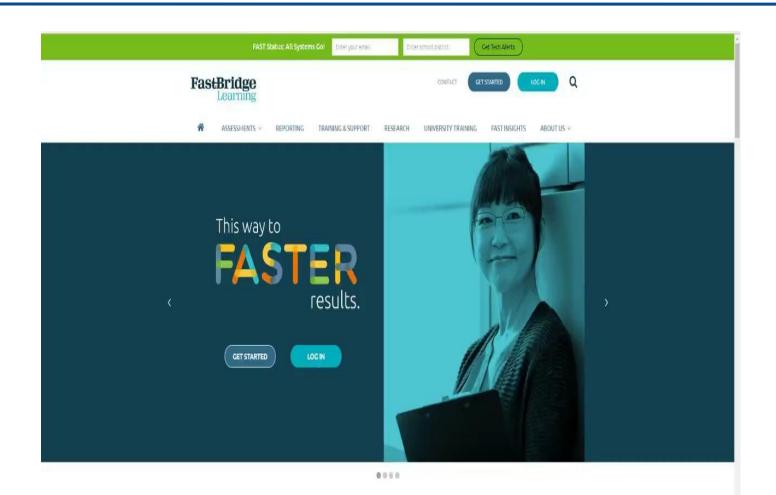




# Grouping and Place Value







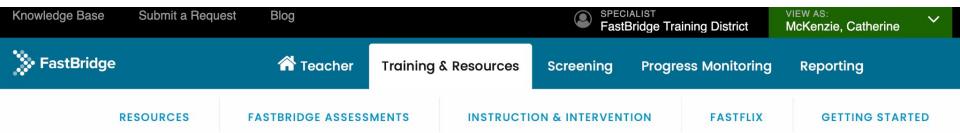
One simple solution.

Delivered in half the time, for half the cost.

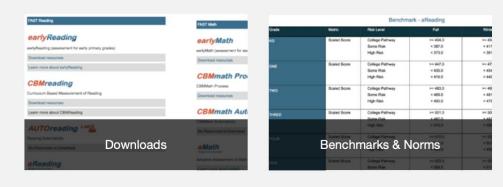




# Finding Materials

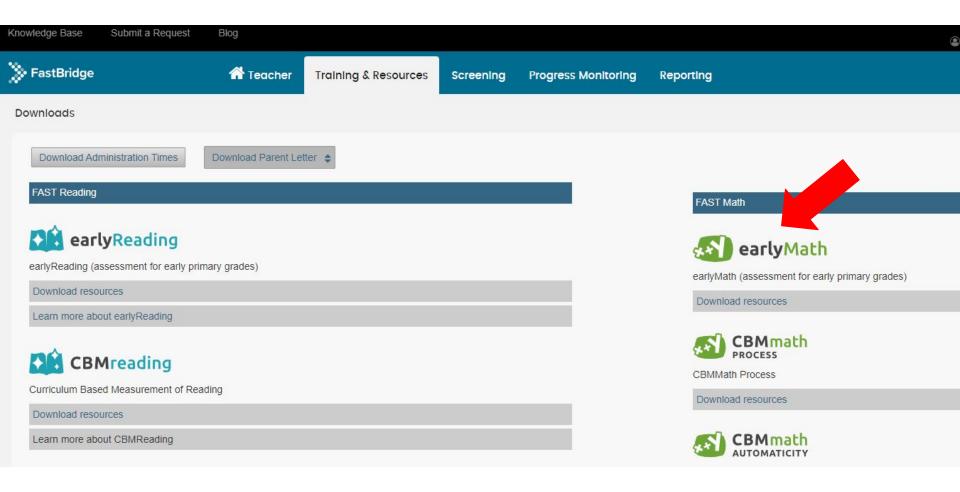


#### RESOURCES

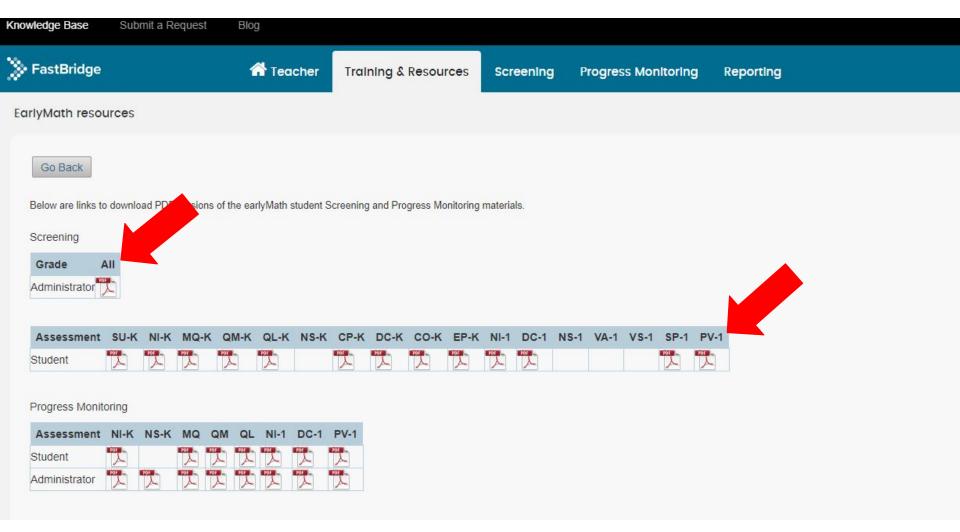


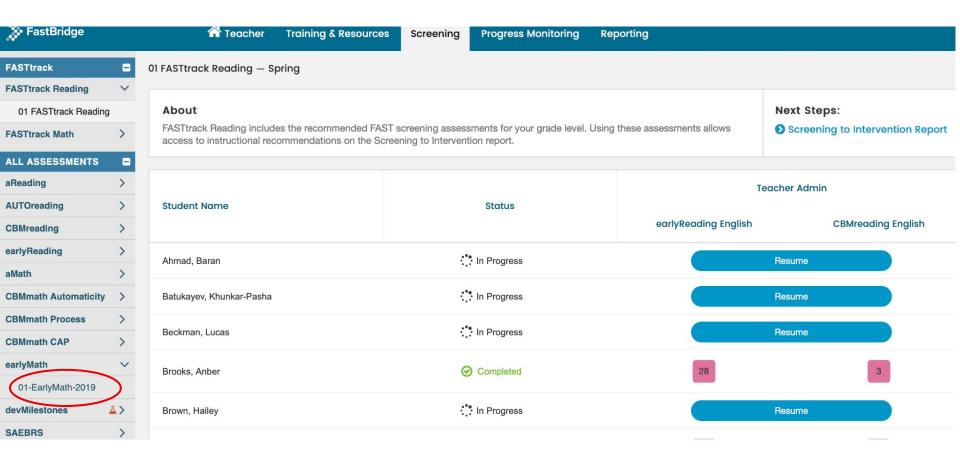
**FASTBRIDGE ASSESSMENTS** 

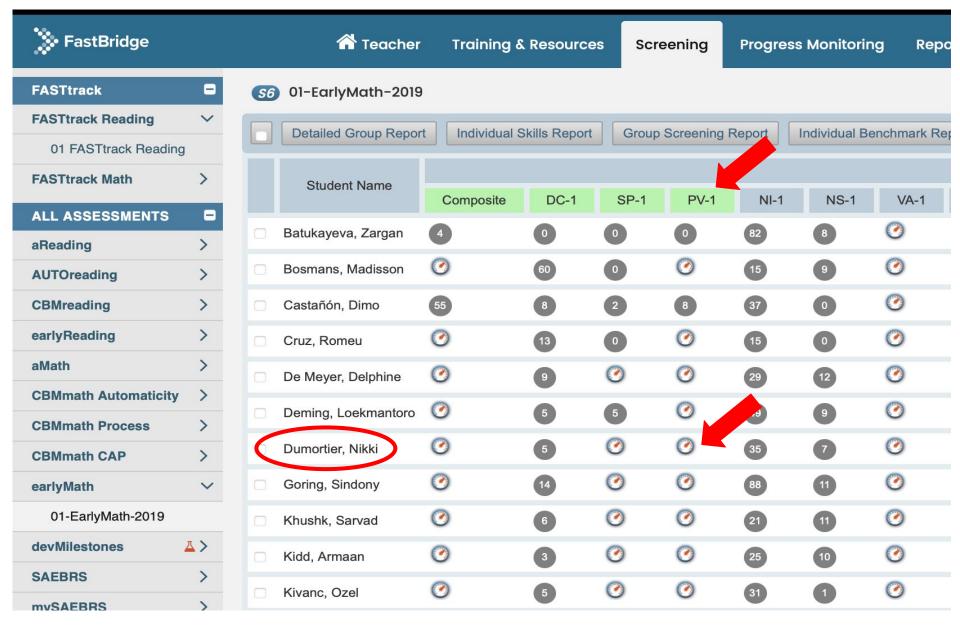
# Finding Materials

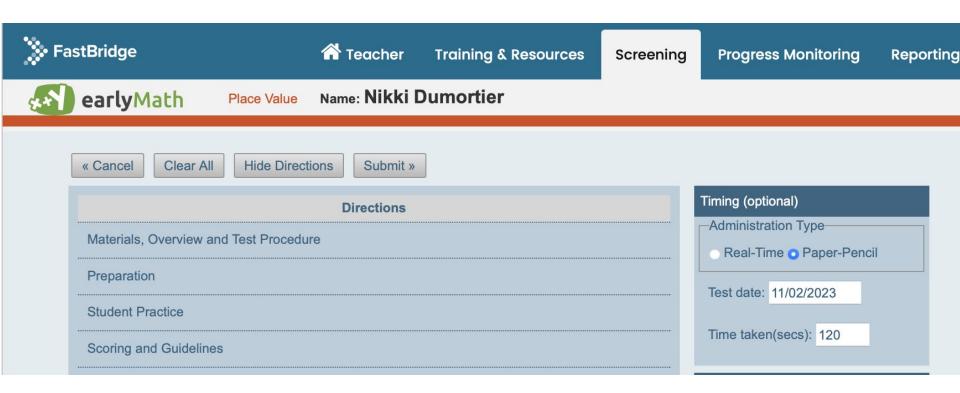


# Finding Materials













Training & Resources

Screening

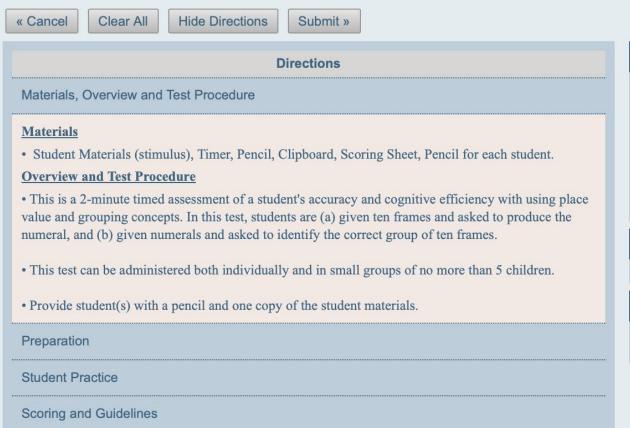
**Progress Monitoring** 

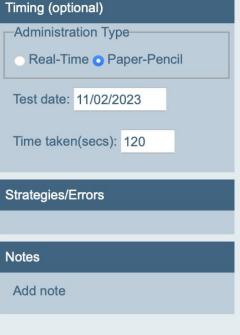
Reporting

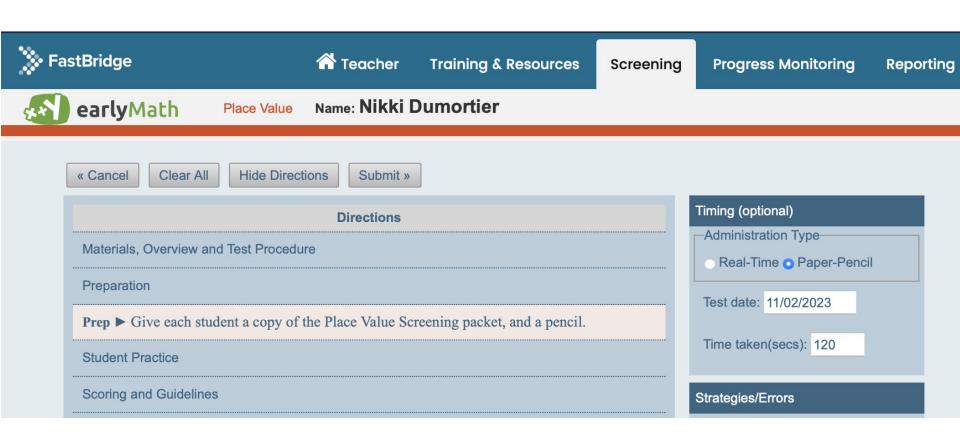


Place Value

Name: Nikki Dumortier











Training & Resources

Screening

**Progress Monitoring** 

Reporting



« Cancel

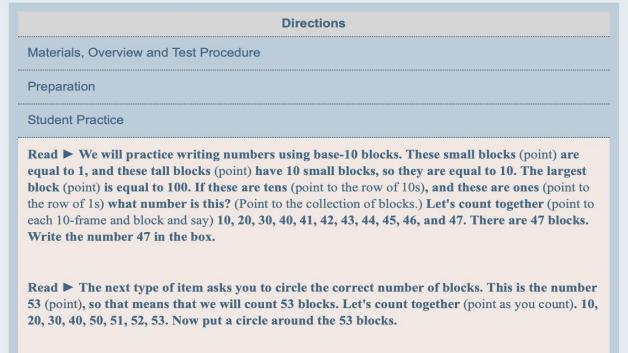
Clear All

Place Value

**Hide Directions** 

Name: Nikki Dumortier

Submit »



Read ► (Ask students to turn the page). Do not start working until I tell you to do so, I have more instructions. When you see items like this (point to the first page), you will count the base-10 blocks and then write that number inside the box. (Turn the page, making it obvious that you have to flip over the packet). When you see items like this, you need to count to the number of blocks that match these numbers (point to the numbers), and then circle the blocks. Remember these are tens (point to the rows of 10), and these are ones (point to the 1s). Work quickly and try not to skip any. If you get stuck, move on to the next item. When I tell you to stop, put your pencil down. Are you

Timing (optional)

Administration Type
Real-Time Paper-Pencil

Test date: 11/02/2023

Time taken(secs): 120

Strategies/Errors

Notes

Add note





Training & Resources

Screening

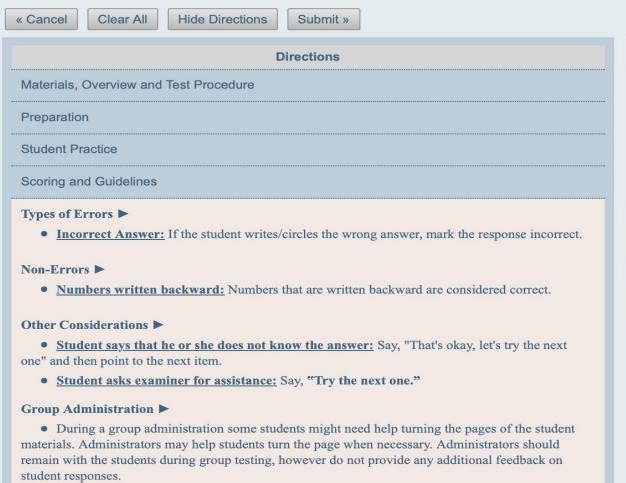
**Progress Monitoring** 

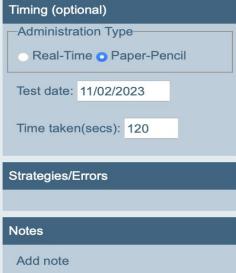
Reporting



Place Value

Name: Nikki Dumortier







#### **Place Value**

#### **Directions**

Materials, Overview and Test Procedure

#### Materials

• Student materials (stimulus), timer, pencil, clipboard, scoring sheet, pencil for each student.

#### Overview and Test Procedure

- This is a 2-minute timed assessment of a student's accuracy and cognitive efficiency with using place value and grouping concepts. In this test, students are (a) given ten frames and asked to produce the numeral, and (b) given numerals and asked to identify the correct group of ten frames.
- This test can be administered both individually and in small groups of no more than five children.
- Provide student(s) with a pencil and one copy of the student materials.

#### Preparation

**Prep** ► Give each student a copy of the Place Value Screening packet, and a pencil.

#### Student Practice

- Read We will practice writing numbers using base-10 blocks. These small blocks (point) are equal to 1, and these tall blocks (point) have 10 small blocks, so they are equal to 10. The largest block (point) is equal to 100. If these are tens (point to the row of 10s), and these are ones (point to the row of 1s) what number is this? (Point to the collection of blocks.) Let's count together. (Point to each 10-frame and block and say) 10, 20, 30, 40, 41, 42, 43, 44, 45, 46, and 47. There are 47 blocks. Write the number 47 in the box.
- Read ► The next type of item asks you to circle the correct number of blocks. This is the number 53 (point), so that means that we will count 53 blocks. Let's count together. Point to each 10-frame and block and say)10, 20, 30, 40, 50, 51, 52, 53. Now put a circle around the 53 blocks.
- Read ▶ Please turn the page. (Pause for student to turn page). Do not start working until I tell you to do so because I have more instructions. When you see items like this (point to the first page), you will count the base-10 blocks and then write that number inside the box. (Turn the page, making it obvious that you have to flip over the packet.) When you see items like this (point to the first item for circling the correct number of blocks), you need to count to the number of blocks that match these numbers (point to the numbers), and then circle the blocks. Remember these are tens (point to the rows of 10), and these are ones (point to the 1s). Work quickly and try not to skip any. If you get stuck, move on to the next item. When I tell you to stop, put your pencil down. Are you ready? Start. Start timer. Stop timer after 2 minutes.

#### Quick Sheet



#### Scoring, and Guidelines

#### **Types of Potential Errors**▶

1. Incorrect Answer: If the student writes/circles the wrong answer, mark the response incorrect.

#### Non-Errors▶

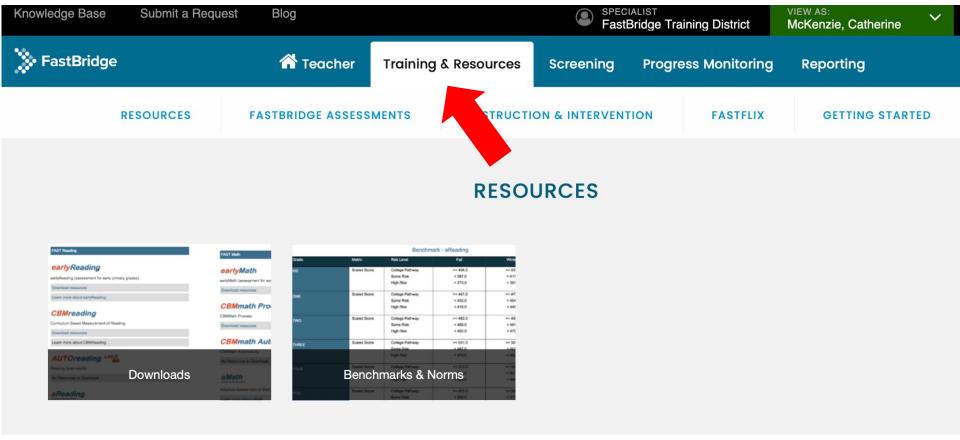
1. Numbers written backward: Numbers that are written backward are considered correct.

#### Other Testing Considerations

- 1. Student says that he or she does not know the answer: Say, "That's okay. Let's try the next one." and then point to the next item.
- 2. Student asks examiner for assistance: Say, "Try the next one."

#### Group Administration▶

1. During a group administration some students might need help turning the pages of the student materials. Administrators may help students turn the page when necessary. Administrators should remain with the students during group testing, however do not provide any additional feedback on student responses.



**FASTBRIDGE ASSESSMENTS** 



#### Math

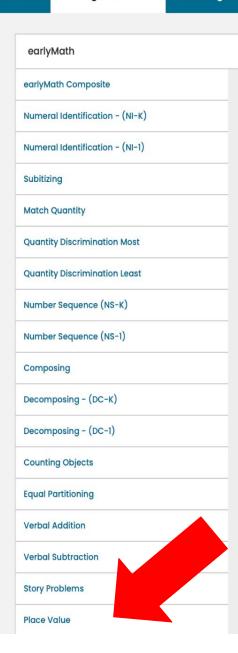












#### earlyMath - Place Value

#### **LESSON 1: INTRODUCTION**

Place Value is one of the 17 subtests that make up the earlyMath assessment suite.

The Place Value assessment assesses the student's ability to correctly produce the numeral that corresponds with drawings of a set of base-10 blocks, and his/her ability to select the correct grouping of base-10 blocks when presented with a numeral. This test is conducted on an individual or small group basis, and the examiner scores the student's work after the test is complete

Place Value is part of the Composite in the winter and spring of first grade and is also available for progress monitoring.

After completing lessons 1 through 6, take the certification quiz to document your preparation to administer earlyMath - Place Value.



earlyMath Composite			
Numeral Identification - (NI-K)			
Numeral Identification - (NI-1)			
Subitizing			
Match Quantity			
Quantity Discrimination Most			
Quantity Discrimination Least			
Number Sequence (NS-K)			
Number Sequence (NS-1)			
Composing			
Decomposing - (DC-K)			
Decomposing - (DC-1)			
Counting Objects			
Equal Partitioning			
Verbal Addition			
Verbal Subtraction			
Story Problems			
Place Value			
1. Introduction			
2. Demonstration			
3. Standardization			
4. Screening			
5. Progress Monitoring			
6. Practice			
7. Certification			
8. Resources			

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Training & Resources

Screening

**Progress Monitoring** 

Reporting

earlyN	lath	
earlyMa	th Composite	
Numera	Identification - (NI-K)	
Numera	Identification - (NI-1)	
Subitizin	g	
Match Q	uantity	
Quantity	Discrimination Most	
Quantity	Discrimination Least	
Number	Sequence (NS-K)	
Number	Sequence (NS-1)	
Compos	ing	
Decomp	osing - (DC-K)	
Decomp	osing - (DC-1)	
Counting	g Objects	

#### earlyMath - Place Value

#### **RESOURCES**

An observer (e.g., fellow teacher, school or district supervisor) may have an opportunity to directly observe your performance administering earlyMath - Place Value and give you feedback.

This observer can use the ORAA form (OBSERVING & RATING ADMINISTRATOR ACCURACY) to review your performance and record your final score.

#### EM\_Place\_Value\_ORAA.pdf

Quick Sheets are copies of directions, example of 1-page navigation and report interpretation sheets that can be low and used by teachers and trainers. Review the PDF and download to use with the lower specific production of the production of the

Quick\_Sheet\_Place\_Value.pdf







earlyMath

Subitizing

**Match Quantity** 

earlyMath Composite

Numeral Identification - (NI-K)

Numeral Identification - (NI-1)

**Quantity Discrimination Most** 

**Quantity Discrimination Least** 

Number Sequence (NS-K)

Number Sequence (NS-1)

Decomposing - (DC-K)

Decomposing - (DC-1)

**Counting Objects** 

Composing

Training & Resources

Screening

Progress Monitoring

Reporting

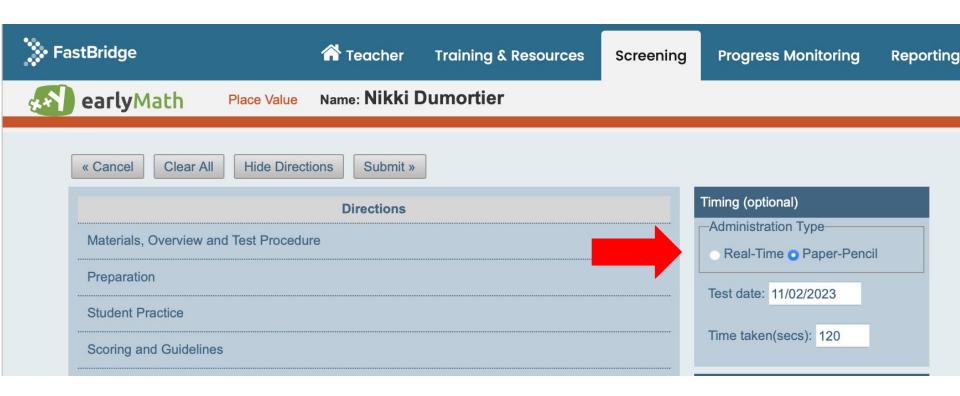
earlyMath - Place Value **RESOURCES** An observer (e.g., fellow teacher, school or district supervisor) may have an opportunity to directly observe your performance administering earlyMath - Place Value and give you feedback. This observer can use the ORAA form ING & RATING ADMINISTRATOR ACCURACY) to review your performance and final score. EM\_Place\_Value\_ORAA.pdf Quick Sheets are copies of directions, examples, and 1-page navigation and report interpretation sheets that can be downloaded and used by teachers and trainers. Review the PDF and download to use with the system as needed. Quick\_Sheet\_Place\_Value.pdf < Previous

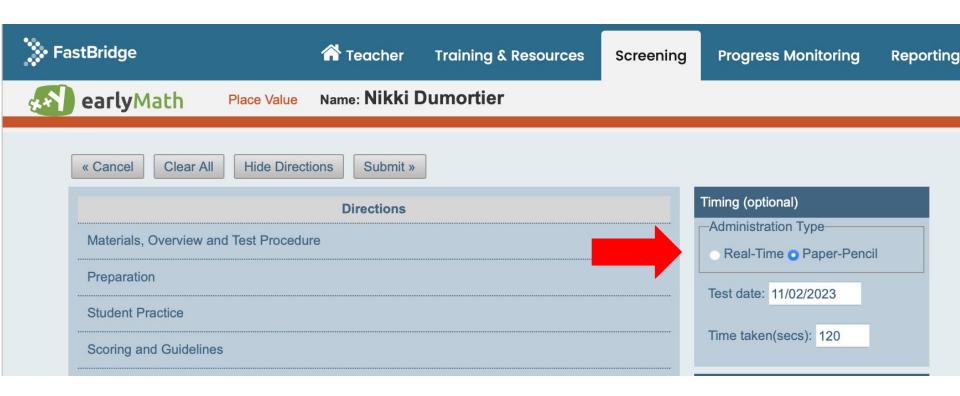
### earlyMath Time-Limited Measures OBSERVING & RATING ADMINISTRATOR ACCURACY (ORAA)

This tool is used for data collection training and coaching for standardized administration of the time-limited earlyMath assessments: Decomposing-1, Match Quantity, Number Identification, Place Value, Quantity Discrimination, Verbal Addition, and Verbal Subtraction. The observer indicates if the procedure was completed accurately or not by circling a 0 or 1. If the step was not applicable for this administration, write N/A.

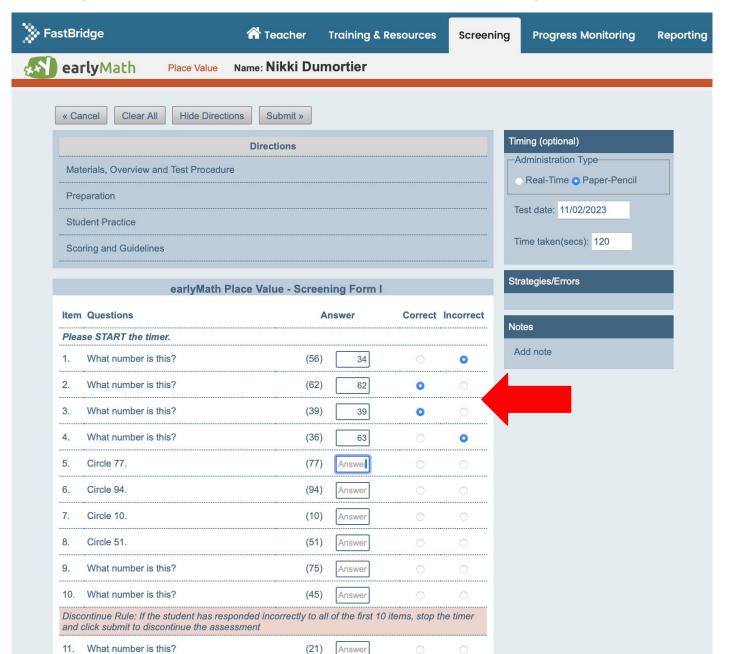
Examiner:	Observer:
earlyMath Subtest Observed:  Decomposing-1 (60 seconds)  Match Quantity (60 seconds)  Number Identification-K (60 seconds)  Number Identification-1 (60 seconds)  Place Value (120 seconds)	<ul> <li>Quantity Discrimination-Most (30 seconds)</li> <li>Quantity Discrimination-Least (30 seconds)</li> <li>✓ Verbal Addition (60 seconds)</li> <li>✓ Verbal Subtraction (60 seconds)</li> </ul>
Circle as Follows: 1 = step completed accurately	0 = step not completed accurately

	Testing Procedure		rved?
1.	Places practice page in front of student.	0	1
2.	Places copy of student materials in front of student.	0	1
3.	Places examiner materials out of view of student.	0	1
4.	Seated appropriate distance from student.	0	1
5.	Follows standardized directions.	0	1
6.	Starts timer when indicated.	0	1
7.	Examiner follows along as student provides answers aloud, marking errors as they occur.	0	1
8.	Provides appropriate hesitation rule responses when needed.	0	1
9.	Follows discontinue rules when appropriate.	0	1
10.	Does NOT provide any other guidance to student during the test.	0	1
11.	Stops timer when indicated.	0	1
	TOTAL	1	11

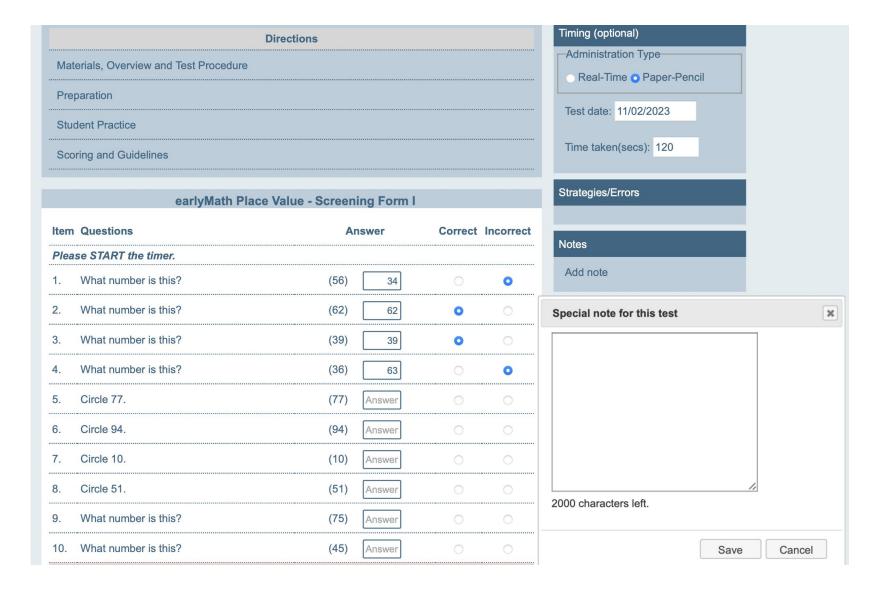




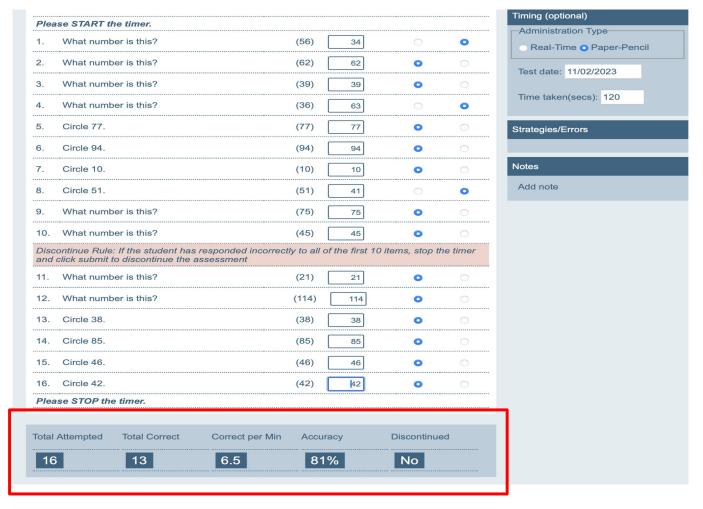
### Input scores, Add note (optional)



### Add Note



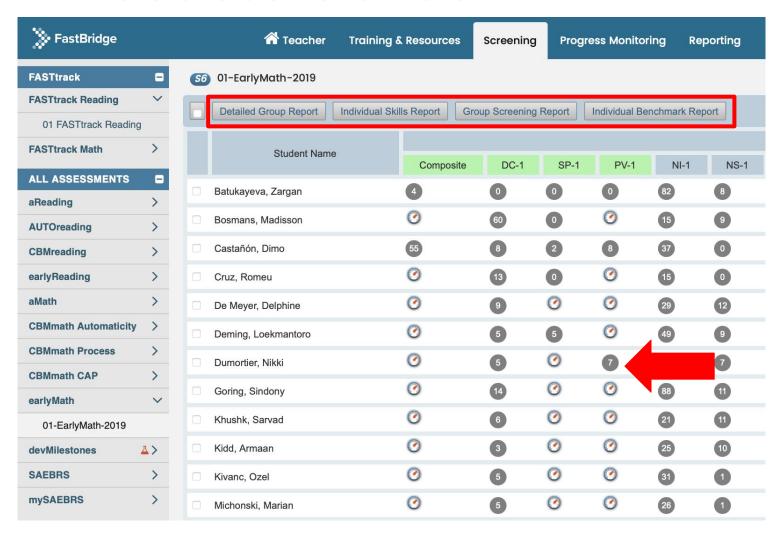
# Scoring



### Submit

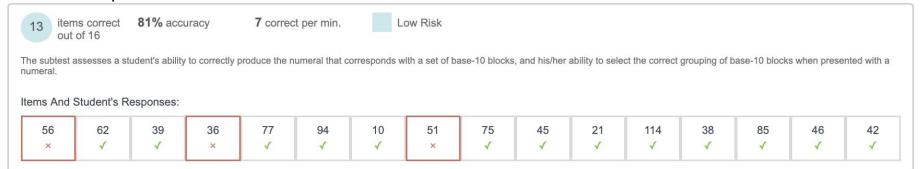
10.	What numb	er is this?		(45)	45	0	0
			t has responded in the assessment	correctly to all	of the first 10	items, stop tl	ne timer
11.	What numb	er is this?		(21)	21	0	0
12.	What numb	er is this?		(114)	114	0	0
13.	Circle 38.			(38)	38	0	0
14.	Circle 85.			(85)	85	0	0
15.	Circle 46.			(46)	46	•	0
16.	Circle 42.			(42)	42	0	0
Plea	se STOP the	timer.					
Total		Total Correct	ct Correct pe	er Min Accu	racy	Discontinue	ed
16 « Ca			6.5	81	%	No	

### See score under PV-1



### Individual Skills Report

#### **Place Value Report**



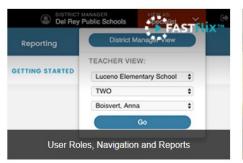






# Additional Training Under the Training & Resources Tab

#### **FASTFLIX**

















### Sandbox Account

Sandbox account: <a href="https://trial.fastbridge.org/">https://trial.fastbridge.org/</a>

Username: explore\_fast

Password: explore\_fast







### Want more information?







