

Mastery Measurement



School	David A. Boody Elementary School
Subject	Mathematics
Student	Carl Sagan
Student ID	11091934
Student Grade	5

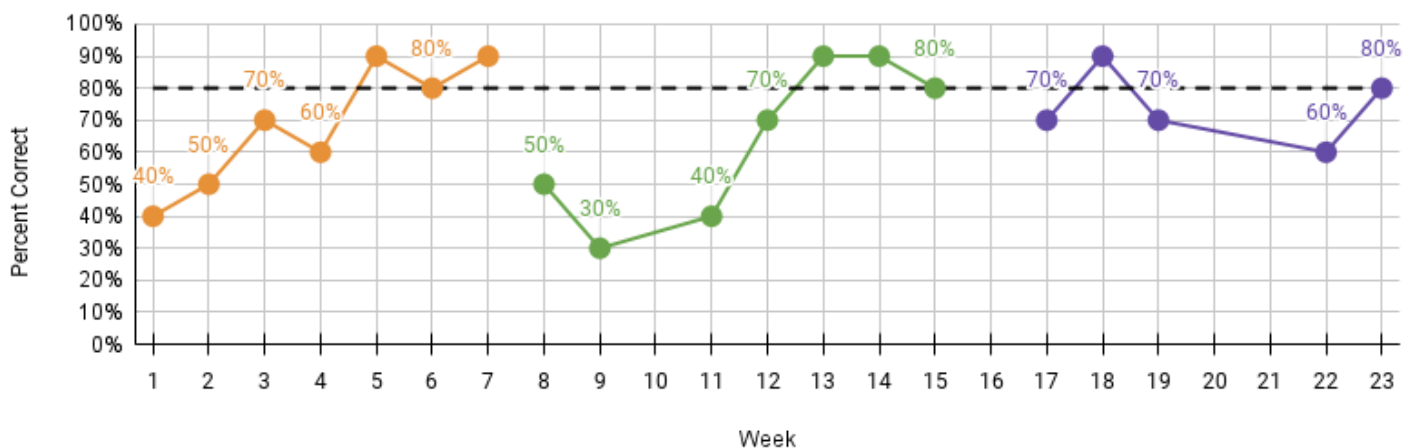
What is a mastery measurement? Mastery measurement is a form of progress monitoring that determines student mastery of a series of short-term instructional objectives throughout the year.

Level 4 Multiplication and Division

Created by Lindsey Cook

Mastery Percentage 80%

Description By the end of the IEP period, given multiplication and division problems with multi-digit numbers and single-digit factors or divisors, Carl will accurately solve the probes at 80% accuracy, as measured by the Classworks mastery measures and classroom work samples.



What is a probe? A probe measures a specific, achievable, and relevant skill that helps a student progress toward a larger goal. These ten question probes serve as a basis for measuring progress on skills sequentially throughout the year.

■ Solve multiplication problems through the nines

Level 3

Week	Date	Score	Duration	Note
1	09/11/2024	40%	05:32	
2	09/18/2024	50%	06:05	
3	09/25/2024	70%	11:56	I spoke with Carl about the reasons for doing the probes and the importance of taking his time to do them carefully, rather than rushing.
4	10/01/2024	60%	10:24	

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5	10/07/2024	<input checked="" type="checkbox"/>	90%	12:25	
6	10/17/2024	<input checked="" type="checkbox"/>	80%	11:59	
7	10/23/2024	<input checked="" type="checkbox"/>	80%	11:25	

Melissa Cook ended the probe on 10/24/2024.

Carl has successfully demonstrated mastery of the current material, having completed three consecutive probes with a score of 80% or higher. To continue his progress towards achieving grade level 4 proficiency in multiplication and division, we will now advance to more challenging division problems, focusing on divisors up to and including nine.

Solve division problems through the nines

Level 3

Week	Date		Score	Duration	Note
8	10/30/2024	<input type="checkbox"/>	50%	06:22	
9	11/06/2024	<input type="checkbox"/>	30%	01:38	
10	Skipped	<input type="checkbox"/>			Carl was absent for the week. His grandmother called asking for practice work. Carl has access to iPad and will work on Classworks lessons.
11	11/19/2024	<input type="checkbox"/>	40%	09:47	
12	11/25/2024	<input type="checkbox"/>	70%	11:35	I retaught Carl using the TouchMath Division Computation Unit 2. I added the completed unit to Carl's folder.
13	12/03/2024	<input checked="" type="checkbox"/>	90%	12:45	
14	12/10/2024	<input checked="" type="checkbox"/>	90%	13:08	
15	12/17/2024	<input checked="" type="checkbox"/>	80%	12:29	

Lee Henley ended the probe on 12/19/2024 .

Carl has demonstrated proficiency in division problems involving divisors up to nine, as evidenced by his performance on the last three consecutive probes, where he consistently achieved scores of 80% or higher. This marks a significant milestone in his progress towards mastering grade level 4 multiplication and division skills.

Based on Carl's successful completion of the division material, we will now transition to the next stage of his learning plan, which involves multiplying 2-3 digit numbers by a single digit. This new material will help Carl strengthen his multiplication skills and develop a deeper understanding of the relationship between multiplication and division.

By engaging with these more complex problems, Carl will continue to build a strong foundation in both multiplication and division, which is crucial for his ongoing mathematical development and success in grade level 4. We will closely monitor Carl's progress and provide support as needed to ensure he continues to make steady progress towards his goal.

Multiply a 2-3 digit number by a one-digit number.

Level 3

Week	Date		Score	Duration	Note
16	Skipped	<input type="checkbox"/>			Winter holiday break.
17	01/03/2025	<input type="checkbox"/>	70%	11:24	
18	01/08/2025	<input checked="" type="checkbox"/>	90%	14:05	Morning Administration. Carl seems to be more focused.
19	01/16/2025	<input type="checkbox"/>	70%	10:59	

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20	Skipped	<input type="checkbox"/>			Virtual Learning day
21	Skipped	<input type="checkbox"/>			Field Trip
22	02/05/2025	<input type="checkbox"/>	60%	05:36	
23	02/12/2025	<input checked="" type="checkbox"/>	80%	12:46	Carl took the probe in the morning instead of the afternoon.

- ☒ Divide a 2-3 digit number by a one-digit number.
Level 3