

Special Learning's Virtual

RBT ONLINE

Initial Competency Assessment:

Section 1: Measurement



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Autism Education for Parents, Teachers, and Therapists

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Objectives for Competency Assessment Section 1: Measurement

Ultimate Learning Outcome (s)

- Define the Competency Assessment Items that fall under Section 1: Measurement
- List what is expected to successfully complete Section 1
 - CA #1-Implement Continuous Measurement Procedures
 - CA #2-Implement Discontinuous Measurement Procedures
 - CA#3-Enter Data and Update Graphs
- Describe the grading criteria for Section 1: Measurement

Competency Assessment Section 1: Measurement Instructions and Scoring

Section #1: Measurement- Purpose

Purpose:

- This section will cover measurement and data collection procedures.

Objectives:

- CA#1-CA#3: Implement continuous measurements, discontinuous measurements, and enter data and update graphs via Role-Play

Section #1: Measurement Instructions

Step 1

Download the Instructions and Template

A. *Section 1: Measurement Competency Assessment Requirements and FILLABLE forms*

B. Read the instructions for the entire Section 1: Measurement

Step 2

What Components to Use for Section 1

A. 2 Video Samples

B. 3 Templates

C. 0 (zero) Case Scenario/Vignettes

Step 3

Complete Section 1 Competency Assessment

A. Either by typing or legible handwriting (in black or blue ink only) complete Section 1.

B. Competency Assessment #1 includes 3 task items (on next slide)

Section #1: Measurement- Overview

SECTION 1: MEASUREMENT (RBT® 2nd Edition Task List- Section A)

ABA Modality Demonstrated	Competency Assessment #	Method of Demonstration	How to Complete Method of Demonstration	Whom to Perform Task With
Implement Continuous Measurement Procedures (TL A-02)	1	Role-Play	Use of video provided and data sheet template	N/A
Implement Discontinuous Measurement Procedures (TL A-03)	2	Role-Play	Use of video provided and data sheet template	N/A
Enter Data and Update Graphs (TL A-05)	3	Role-Play	Use of video provided and graphing template	N/A

Section 1: Measurement and Data Collection Templates

➤ This template is a fillable PDF form and includes 3 pages to complete Section 1 and 1 excel file

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CA#1_Continuous Measurement Data Collection Template

CA#1 Continuous Measurement Data Collection
 Your Name:
 Video Title: Section 1-Continuous Measurement Competency Assessment Role-Play

Frequency Data Collection

Directions: List the behaviors being monitored on top row and list dates/days on left column. Place a tally mark for every incident the behavior has occurred and initial. Calculate the total frequency

DATES	FREQUENCY OF BEHAVIOR(S)			Staff Initials
	Boy Taking a Step	Girl Taking a Step		
Total Frequency				

Duration Data Collection

Directions: List the behaviors being monitored down the left column. You may have the same behavior listed multiple times. Enter the date, start and end time of the behavior. Calculate the duration and initial.

BEHAVIORS	DURATION OF BEHAVIOR(S)				Staff Initials
	Behavior	Date	Start Time	End Time	
Boy Walking down the Stairs					
Girl Walking down the stairs					

Inter-Response Time Data Collection

Directions: List the behaviors being monitored down the left column. You may have the same behavior listed multiple times. Enter the date, start and end time of the behavior. Calculate the duration and initial.

BEHAVIORS	Behavior Title	Behavior sequence #	IRT OF BEHAVIOR(S)			Total IRT (in seconds)	Staff Initials
			Date	Start Time	End Time		
Boy Taking Step	1						
Boy Taking Step	2						
Boy Taking Step	3						
Boy Taking Step	4						
Boy Taking Step	5						
Boy Taking Step	6						
Boy Taking Step	7						
Boy Taking Step	8						
Boy Taking Step	9						
Boy Taking Step	10						
Boy Taking Step	11						
Boy Taking Step	12						
Boy Taking Step	13						
Boy Taking Step	14						
Boy Taking Step	15						
Boy Taking Step	16						
Boy Taking Step	17						
Boy Taking Step	18						
Boy Taking Step	19						
Boy Taking Step	20						

CA#2_Discontinuous Measurement Data Collection Template

CA#2 Discontinuous Measurement Data Collection
 Your Name:
 Video Title: Section 1-Discontinuous Measurement Competency Assessment Role-Play

Partial Interval Data Collection

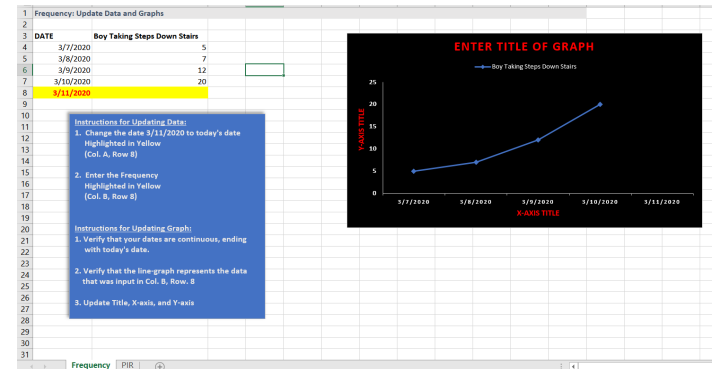
Directions: List the behaviors being monitored on top row. Circle Y for "yes" and N for "no" if the behavior targeted occurred during that interval. Calculate percentage of trials in which the behaviors occur.

INTERVALS	PARTIAL INTERVAL RECORDING OF BEHAVIOR(S)				Staff Initials	
	Baby oral noise	Baby oral noise	Baby oral noise	Baby oral noise		
0-5 seconds	Y	N	Y	N	Y	N
6-10 seconds	Y	N	Y	N	Y	N
11-20 seconds	Y	N	Y	N	Y	N
21-25 seconds	Y	N	Y	N	Y	N
26-30 seconds	Y	N	Y	N	Y	N
Total Y/N	/	/	/	/	/	/
Percentage						

Momentary Time-Sampling Data Collection

Directions: List the behaviors being monitored on top row. Circle Y for "yes" and N for "no" if the behavior targeted occurred during that interval. Calculate percentage of trials in which the behaviors occur.

INTERVALS	PARTIAL INTERVAL RECORDING OF BEHAVIOR(S)				Staff Initials	
	Baby oral noise	Baby oral noise	Baby oral noise	Baby oral noise		
0-5 seconds	Y	N	Y	N	Y	N
6-10 seconds	Y	N	Y	N	Y	N
11-20 seconds	Y	N	Y	N	Y	N
21-25 seconds	Y	N	Y	N	Y	N
26-30 seconds	Y	N	Y	N	Y	N
Total Y/N	/	/	/	/	/	/
Percentage						



- To complete this assignment, Download the Template(s):
 - Section_1_Measurement_Competency_Assessment_Requirements_and_FILLABLE_Forms
 - Section_1_Graphing_Template
- Save the Template(s) to your computer
- Find the file on your computer and select "Open with" and select Adobe Reader (maybe called PDF Viewer)
- Complete the assignment
- Select "Save As"

If you have difficulties accessing the template, please download the free application "ADOBE ACROBAT READER" here: <https://acrobat.adobe.com/us/en/acrobat/pdf-reader.html>

CA #1: Continuous Measurement

CA#1 Objective: **Implement continuous measurement (e.g., frequency, duration, latency, IRT).**

1. Watch the video titled:
 - *Section I-Continuous Measurement Competency Assessment Role-Play*
2. Using the Video, complete the document called: *CA#1_Continuous Measurement Data Collection*
 - Complete all 3 continuous measurements using this same video
3. Complete the **Frequency** of the following:
 - A. The boy taking steps from the video sample
 - B. The girl taking steps from the video sample
4. Complete the **Duration** of the following:
 - A. The boy walking down the stairs
 - B. The girl walking down the stairs
5. Complete the **Inter Response Time (IRT)** of the following:
 - A. Each step the boy takes to walk down the stairs

CA#1_Continuous Measurement Data Collection



CA#1_Continuous Measurement Data Collection Template

CA#1 Continuous Measurement Data Collection
Your Name:
Video Title: Section 1-Continuous Measurement Competency Assessment Role-Play

Frequency Data Collection

Directions: List the behaviors being monitored on top row and list dates/days on left column. Place a tally mark for every incident the behavior has occurred and initial. Calculate the total frequency

FREQUENCY OF BEHAVIOR(S)			
DATES	Boy Taking a Step	Girl Taking a Step	Staff Initials
Total Frequency			

Duration Data Collection

Directions: List the behaviors being monitored down the left column. You may have the same behavior listed multiple times. Enter the date, start and end time of the behavior. Calculate the duration and initial.

DURATION OF BEHAVIOR(S)						
BEHAVIORS	Behavior	Date	Start Time	End Time	Duration	Staff Initials
	Boy Walking down the Stairs				Seconds	
	Girl Walking down the stairs				Seconds	

1. Enter your name
2. Using the video complete the following:
 - A. Complete frequency data collection
 - Boy taking steps throughout the video clip
 - Girl taking steps throughout the video clip
 - B. Complete duration data collection
 - The boy walking down the stairs
 - The girl walking down the stairs

CA#1_Continuous Measurement Data Collection (cont.)

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500 N Michigan Ave Suite 300
Chicago, IL 60611
Phone : (312) 436-0237
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Inter-Response Time Data Collection

Directions: List the behaviors being monitored down the left column. You may have the same behavior listed multiple times. Enter the date, start and end time of the behavior. Calculate the duration and initial.

BEHAVIORS	IRT OF BEHAVIOR(S)						
	Behavior Title	Behavior sequence #	Date	Start Time	End Time	Total IRT (in seconds)	Staff Initials
	Boy Taking Step	1					
	Boy Taking Step	2					
	Boy Taking Step	3					
	Boy Taking Step	4					
	Boy Taking Step	5					
	Boy Taking Step	6					
	Boy Taking Step	7					
	Boy Taking Step	8					
	Boy Taking Step	9					
	Boy Taking Step	10					
	Boy Taking Step	11					
	Boy Taking Step	12					
	Boy Taking Step	13					
	Boy Taking Step	14					
	Boy Taking Step	15					
	Boy Taking Step	16					
	Boy Taking Step	17					
	Boy Taking Step	18					
	Boy Taking Step	19					
	Boy Taking Step	20					

- Using the video complete the following:
 - Complete IRT data collection
 - Each step the boy takes to walk down the stairs

CA#1_Continuous Measurement Data Collection Scoring

CA #	Step/ Item #	Description	Correct or Incorrect Implementation		Point Value for Correct Implementation
			+	-	
CA#1	1	Accurately demonstrated frequency from Video Sample	+	-	1
	2	Accurately demonstrated duration from Video Sample	+	-	1
	3	Accurately demonstrated IRT from Video Sample	+	-	2
	4	Completed all information including initials on each behavior	+	-	1
CA#1	Implement Continuous Measurement		Total Score:		/5

CA #2: Discontinuous Measurement

CA#2 Objective: Implement discontinuous measurement procedures (e.g., partial and whole interval, momentary time sampling).

1. Watch the video titled:
 - *Section I-Discontinuous Measurement Competency Assessment Role-Play*
2. Using the Video, complete the document called: *CA#2_Discontinuous Measurement Data Collection*
 - Complete all 2 discontinuous measurements using this same video
3. Complete the **Partial Interval Recording (PIR)** of the following:
 - A. The baby is making noises (i.e. cooing)
4. Complete the **Momentary Time Sampling (MTS)** of the following:
 - A. The baby is making noises (i.e. cooing)

CA #2: Discontinuous Measurement Data Collection

CA#2_Discontinuous Measurement Data Collection Template

CA#2 Discontinuous Measurement Data Collection

Your Name:

Video Title: Section 2-Discontinuous Measurement Competency Assessment Role-Play

Partial Interval Data Collection

Directions: List the behaviors being monitored on top row. Circle Y for "yes" and N for "no" if the behavior targeted occurred during that interval. Calculate percentage of trials in which the behaviors occur.

INTERVALS	PARTIAL INTERVAL RECORDING OF BEHAVIOR(S)				Staff Initials
	Baby oral noise	Baby oral noise	Baby oral noise	Baby oral noise	
0-5 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
6-10 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
11-20 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
21-25 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
26-30 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
Total Y/N	/	/	/	/	
Percentage					

Momentary Time-Sampling Data Collection

Directions: List the behaviors being monitored on top row. Circle Y for "yes" and N for "no" if the behavior targeted occurred during that interval. Calculate percentage of trials in which the behaviors occur.

INTERVALS	PARTIAL INTERVAL RECORDING OF BEHAVIOR(S)				Staff Initials
	Baby oral noise	Baby oral noise	Baby oral noise	Baby oral noise	
0-5 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
6-10 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
11-20 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
21-25 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
26-30 seconds	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	Y <input type="radio"/> N <input type="radio"/>	
Total Y/N	/	/	/	/	
Percentage					

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1. Enter your name
2. Using the video complete the following:
 - A. Complete PIR data collection
 - Baby making noise (i.e. Cooing)
 - B. Complete Momentary Time Sampling data collection
 - Baby making noise (i.e. Cooing)

CA#2_Discontinuous Measurement Data Collection Scoring

CA #	Step/ Item #	Description	Correct or Incorrect Implementation		Point Value for Correct Implementation
			+	-	
CA#2	1	Accurately demonstrated Partial Interval Recording from Video Sample	+	-	2
	2	Accurately demonstrated Momentary Time Sampling from Video Sample	+	-	2
	3	Completed all information including initials on each behavior	+	-	1
CA#2	Implement Discontinuous Measurement		Total Score:		/5

CA #3: Data and Graphs

CA#3 Objective: **Enter data and update graphs.**

1. Using the data you collected in Section 1:
 - *CA#1_Continuous Measurement (Frequency)*
 - *CA#2_Discontinuous Measurement (Partial Interval Recording)*
2. Complete the document called: *CA#3_Graphing_Template(Excel_File)*
 - Complete all 2 discontinuous measurements using this same video
3. Update the graph using **Frequency data collected** of the following:
 - A. The boy taking steps from the video sample
4. Complete the **Partial Interval Recording (PIR) data collected** of the following:
 - A. The baby is making noises (i.e. cooing)

IMPORTANT: Be sure to label all your graphs correctly (i.e. Title, X and Y Axis Labels etc.)

CA#3: Enter Data and Update Graphs

1 Frequency: Update Data and Graphs

DATE	Boy Taking Steps Down Stairs
3/7/2020	5
3/8/2020	7
3/9/2020	12
3/10/2020	20
3/11/2020	

Instructions for Updating Data:

1. Change the date 3/11/2020 to today's date
Highlighted in Yellow
(Col. A, Row 8)
2. Enter the Frequency
Highlighted in Yellow
(Col. B, Row 8)

Instructions for Updating Graph:

1. Verify that your dates are continuous, ending with today's date.
2. Verify that the line-graph represents the data that was input in Col. B, Row. 8
3. Update Title, X-axis, and Y-axis

Frequency PIR

1. Frequency Tab:
 - Enter today's date
 - Enter the frequency for the behavior
 - Update graph and labels
2. PIR Tab:
 - Enter today's date
 - Enter the Percentage of Intervals the behavior occurred
 - Update graph and labels

CA#3_Enter Data and Update Graphs Scoring

CA #	Step/ Item #	Description	Correct or Incorrect Implementation		Point Value for Correct Implementation
CA#3	1	Accurately entered data and updated graph on tab: Frequency	+	-	1
	2	Accurately labeled graph on tab: Frequency	+	-	1
	3	Accurately entered data and updated graph on tab: Partial Interval	+	-	1
	4	Accurately labeled graph on tab: Partial Interval	+	-	1
	5	Used a minimum of 3 points on each graph	+	-	1
	Enter Data and Update Graphs			Total Score:	

COMPETENCY ASSESSMENT: SECTION 1: MEASUREMENT RBT ONLINE

VIRTUAL INITIAL COMPETENCY ASSESSMENT

Next Steps:

1. Take the Post-Quiz for this presentation
2. Download this Presentation
3. Download the Template and Excel Template
4. Read the instructions on how to complete this Section (found in the Template)
5. Complete Section 1 (save files)
6. Start Section 2: Assessment



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