

**African Population  
and Health Research Center**

**TAYARI**

**Classroom Observation - Numeracy**



## 1.0 General Background Information

1.1 Date of Interview:	Day	<input type="text"/>	<input type="text"/>	Month	<input type="text"/>	<input type="text"/>	Year	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1.2 Time Started (24 HRS)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1.3 County ID:	<input type="text"/>	1=Laikipia; 2=Nairobi; 3=Uasin Gishu; 4=Siaya									
1.4 School Name:	<input type="text"/>										
1.5 School ID:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1.6 Teacher Name:	<input type="text"/>										[Optional]
1.7 Teacher ID:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1.8 Teacher Sex:	<input type="text"/>	1=Male; 2=Female									
1.9 Interviewer ID:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Instruction

The observation form should be completed in class during a numeracy lesson. If the teacher indicates that there is no separate numeracy lesson, ask to observe a lesson that focuses on mathematics. When you arrive in the class, find a seat at the back of the class. Try not to interrupt or disturb the class.

Complete the observation table every three minutes, by indicating the teacher focus, teacher content, learner and teacher action, and teaching material used at the moment of observation. In sections A and B indicate the teacher focus and teacher content by selecting the observed item. In sections C and D, indicate the teacher and learner action and the language being used by placing the appropriate language code by the observed action. In section E, indicate the material and the language being used by placing the appropriate language code by the material used at the moment of observation. Every section (A, B, C, D, and E) must have at least one mark for each "Snapshot".

		Observation #:										
		3	6	9	1	1	1	2	2	2	3	3
					2	5	8	1	4	7	0	3

<b>A) Teacher focus: (only one X)</b>										
1	Whole class									
2	Small Group									
3	One individual learner									
4	Other / Not focusing on learner									
5	Teacher not in the room									
<b>B) Instructional Content: (only one X)</b>										
2	Rote Counting e.g. counting from 1-30									
3	Object Counting									
4	Number Identification / recognition									
5	Comparing sets or numbers/ Quantity Discrimination									
6	Addition/putting together									
7	Subtraction/taking away									
8	Money									
9	Classification e.g. matching, ordering, sorting, grouping, sequencing, pairing, grouping									
10	Measurement (including daily routines/time)									
11	Patterns									
12	Other or don't know									
<b>C) Teacher Action (Language): English (E); Swahili (S); Other-mother tongue, sheng (O)</b>										
1	Repeating/recitation									
2	Singing									
3	Writing on board									
4	Lecturing									
5	Listening to learner(s)									
6	Asking question(s)									
7	Monitoring learner(s)									
8	Demonstrating									
9	Playing game									
10	Transition									
<b>D) Learner actions (Language): English (E); Swahili (S); Other-mother tongue, sheng (O)</b>										
1	Repeating/recitation (including rote counting)									
2	Listening/watching teacher									
3	Asking question									
4	Answering question/showing answer to a question/demonstrating									
5	Copying from blackboard/whiteboard									
6	Writing at blackboard/whiteboard									

7	Problem/task solving i.e. observe process of learner solving tasks given by teachers													
8	Individual desk work													
9	Group desk work													
10	Singing													
11	Other (Projects, games, etc.)													
12	Off task (talking, sleeping, playing)													
<b>E) Materials used (Language): English (E); Swahili (S); Other-mother tongue, sheng (O)</b>														
1	Blackboard													
2	Textbook													
3	Workbook/Worksheet/Copies													
4	Number and/or object cards e.g. flash cards, number shapes													
5	Posters/Wall charts													
6	Manipulatives e.g. counters, sticks, stones													
7	Slates													
8	Learner exercise books													
9	Other													
<b>F) General Classroom Observation:</b>														
<b>[At the end of the observation period complete the following questions based on your general impression of the lesson]</b>														
1	How many girls are present in this classroom at the time of your observation? <b>[HAVE ALL THE GIRLS STAND AND COUNT THEM]</b>													
2	How many boys are present in this classroom at the time of your observation? <b>[HAVE ALL THE BOYS STAND AND COUNT THEM]</b>													
3a	Are there learners sitting on the floor due to inadequate sitting space?													
3b	If yes, how many? <b>[COUNT THE NUMBER OF LEARNERS SITTING ON THE FLOOR]</b>													
4	Are there sufficient desks for all the learners? Yes=1; No=0													
5	How many learners are the desks designed for?													
6a	Indicate what sitting arrangement is normally used in this classroom. 1=Rows; 2=Small groups; 3=Circle; 96=Other (specify) _____													
7	Is there enough space in the class for the teacher to circulate freely? Yes=1; No=0													
<b>[ASK LEARNERS TO RAISE EACH TYPE OF MATERIAL IN THE AIR ONE BY ONE]:</b>														
8	Number of learners with text book for current subject (Numeracy)													
9	Number of activity books available for current subject (Numeracy)													

10	Number of learners with exercise book		
11	Number of learners with pen/ pencil/crayons?		
12	Does the classroom have the following materials? <b>[SELECT ALL THE MATERIALS THAT THE TEACHER HAS]</b> Yes=1; No=0		
	1. A usable blackboard/white board	Yes	No
	2. Chalk/other markers	Yes	No
	3. A wall chart of any kind	Yes	No
	4. A cupboard or locker	Yes	No
	5. One or more bookshelves	Yes	No
	6. A classroom library, book corner or book box	Yes	No
	7. A teacher's table	Yes	No
	8. A teachers chair	Yes	No
	9. Age appropriate chairs/benches	Yes	No
	10. Age appropriate desks/tables	Yes	No
	11. Tippy taps/leaky tins	Yes	No
	12. Supplementary reading material (e.g. magazines)	Yes	No
13	[If there is a blackboard] Is the blackboard in good condition? Yes=1; No=0		
14	Are there posters on the walls about numeracy? Yes=1; No=0		
15	Are there posters specifically about health/safety/nutrition? Yes=1; No=0		
16	Are there teacher made displays/resources visible? Yes=1; No=0		
17	Are the learners work displayed on the walls? Yes=1; No=0		
18	Was the teacher consistent on behavior expectations? Yes=1; No=0		
19	Did the teacher's behaviour rules have clarity? Yes=1; No=0		
20	Was the teacher clear on how s/he expects learner(s) to behave? (E.g. asking pupils to raise their hands when asking a question, to be attentive during the lesson etc.) Yes=1; No=0		
21	Were the lesson activities organized in advance? Yes=1; No=0		
22	Did the learning activities relate to learner's lives? Yes=1; No=0		
23	Did the teacher asks learners to explain their response/thinking? Yes=1; No=0		

24	Teacher maps own actions with numeracy? Yes=1; No=0		
25	Was there presence of social interaction e.g. greetings, appropriate jokes? Yes=1; No=0		
26	Was there presence of positive learning environment e.g. smiling, laughter, warm and caring language – I am sorry, that’s fine, pole, don’t worry, it will go away? Yes=1; No=0		
27	Does the teacher exhibit inappropriate negative reinforcement? E.g. harsh voice, anger, aggression, threaten, humiliate? Yes=1; No=0		
28	Were the learners physically punished? Yes=1; No=0		
29	Is the classroom clean and neat? Yes=1; No=0		
30	Is there sufficient light in the room? Yes=1; No=0		
31	Did the teacher have a book for this class? Yes=1; No=0 <b>IF NO END THE ASSESSMENT</b>		
<b>IF YES, ASK THE TEACHER TO SHOW YOU THE NUMERACY TEXT BOOK HE OR SHE IS USING</b>			
32	What page is he/she on in the book today?		
33	How many pages does the book have?		

**END**