

Ethiopia 2009 (G.C)/2002 (Eth.C)

Child Questionnaire for 7.5-8.5 Year Olds (Younger Cohort)

Birthday of child-(Miazia 15,1993 -Miazia 14, 1994)

Ethiopian Development Research Institute (Ethiopia)

University of Oxford (UK)

Funded by Department for International Development (DFID)

Region		Town (if urban)	
Zone		Kebele/PA/Tabia/Ganda	
Woreda		Got/Kushet	
Child Id:			

SECTION 4: ACHIEVEMENT TESTS

Date when this section is filled: ___ / ___ / ___ (day/month/year)

Time when section started: ___ : ___

Fieldworker's name: _____ Code: ___

FIELDWORKER: Fill out 1.1 **before** you administer the tests.

1.1	<p>Does the child have a severe visual impairment? 00=No 01=Yes</p> <p>→ (If the answer is Yes, only administer EGRA-section C. Listening Comprehension and math items 7, 8 and 9)</p>	[___]
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PEABODY PICTURE VOCABULARY TEST (PPVT)

FIELDWORKER: It is very important to assure adequate conditions for the assessment. You should look for a place with adequate lighting (natural or artificial), relative absence of noise and a flat surface for the child to work on. If these conditions are not available, try to look for other space or reschedule if possible.

FIELDWORKER: Use the PPVT picture easel here. Be sure to read the training items with the child and make sure the child understands what needs to be done before starting the test.

All instructions for introducing the PPVT and using the Training Items are located on the examiner's manual. Use Training Items C and D (designed for children 8 years and older).

FIELDWORKER: TRAINING ITEMS				
<i>Plate</i>	<i>Series 1</i>	<i>Series 2</i>	<i>Series 3</i>	<i>Series 4</i>
	<i>For most subjects under age 8 years</i>		<i>(If necessary)</i>	
<i>A</i>	ball (2)	dog (4)	banana (3)	Spon (1)
<i>B</i>	crying (4)	sleeping (1)	crawling (3)	walking (2)
	<i>For most subjects age 8 years and over</i>		<i>(If necessary)</i>	
<i>C</i>	parrot (2)	scissors (1)	flower (3)	ope (4)
<i>D</i>	mowing (3)	riding (2)	mopping (1)	computing (2)

FIELDWORKER: After you have administered the appropriate Training Items, begin testing using the Set of Test Items corresponding to the test taker's age. Once you begin a set, always administer all 12 items in that set in order, and always start with the first item in the set.

Use numerals (1-4) to record the test taker's response to each item in the blank in the "Resp" column. The "Key" column indicates the correct response (1-4). Compare the child's response with the correct response and indicate errors by drawing a line through the E in the last column as shown below:

Item	Word	Key	Resp	Error
1	Bus	(4)		E

At the end of each set, record the number of errors in the box provided.

FIELDWORKER: Please complete questions 1.2 and 1.3 **after** administering the PPVT with the child.
(These items will aid the database entry process.)

1.2	Lowest item responded to (possible values: from 0 to 204, -79 Refused to answer, -88=NA)	[____]
1.3	Highest item responded to (possible values: from 0 to 204, -79 Refused to answer, -88=NA)	[____]

PPVT Administration:

1.4	Test administration: Start Time (hour) (possible values: 07 to 17)	Hours: [____]
1.5	Test administration: Start Time (minutes) (possible values: 00 to 59)	Minutes: [____]

START Ages 2.5 - 3 SET 1					START Age 4 SET 2				
Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error
1	Bus	(4)		E	13	Digging	(2)		E
2	Drinking	(3)		E	14	Cow	(1)		E
3	Hand	(1)		E	15	Drum	(3)		E
4	Climbing	(1)		E	16	Feather	(1)		E
5	Key	(4)		E	17	Painting	(3)		E
6	Reading	(1)		E	18	Cage	(2)		E
7	Closet	(2)		E	19	Knee	(1)		E
8	Jumping	(3)		E	20	Wrapping	(4)		E
9	Lamp	(4)		E	21	Fence	(3)		E
10	Helicopter	(2)		E	22	Elbow	(4)		E
11	Smelling	(2)		E	23	Garbage	(2)		E
12	Fly	(3)		E	24	Exercising	(4)		E
No. of Errors					No. of Errors				

START Age 5 SET 3					SET 4					START Ages 6 - 7 SET 5				
Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error
25	Empty	(1)		E	37	Castle	(2)		E	49	Parachute	(3)		E
26	Shoulder	(3)		E	38	Sawing	(4)		E	50	Delivering	(1)		E
27	Square	(4)		E	39	Cactus	(3)		E	51	Rectangle	(1)		E
28	Measuring	(4)		E	40	Farm	(1)		E	52	Diving	(2)		E
29	Porcupine	(1)		E	41	Going	(2)		E	53	Camper	(4)		E
30	Arrow	(2)		E	42	Harp	(1)		E	54	Target	(2)		E
31	Peeling	(3)		E	43	Astronaut	(3)		E	55	Writing	(1)		E
32	Fountain	(2)		E	44	Raccoon	(4)		E	56	Furry	(4)		E
33	Accident	(2)		E	45	Juggling	(4)		E	57	Drilling	(2)		E
34	Penguin	(1)		E	46	Envelope	(2)		E	58	Hook	(3)		E
35	Decorated	(4)		E	47	Tearing	(3)		E	59	Group	(3)		E
36	Nest	(3)		E	48	Claw	(1)		E	60	Dripping	(4)		E
No. of Errors					No. of Errors					No. of Errors				

SET 6					START Ages 8 - 9					SET 7					START Ages 10 - 11					SET 8				
Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error					
61	Vehicle	(4)		E	73	Gigantic	(2)		E	85	Flamingo	(2)		E	91	Clarinet	(4)		E					
62	Oval	(1)		E	74	Nostril	(4)		E	86	Tambourine	(4)		E	92	Exhausted	(2)		E					
63	Luggage	(2)		E	75	Vase	(3)		E	87	Palm	(1)		E	93	Pitcher	(3)		E					
64	Awarding	(3)		E	76	Knight	(1)		E	88	Surprised	(4)		E	94	Reptile	(2)		E					
65	Hydrant	(4)		E	77	Towing	(1)		E	89	Canoe	(3)		E	95	Polluting	(3)		E					
66	Swamp	(3)		E	78	Horrorified	(3)		E	90	Interviewing	(1)		E	96	Vine	(1)		E					
67	Calculator	(2)		E	79	Trunk	(2)		E															
68	Signal	(1)		E	80	Selecting	(1)		E															
69	Squash	(4)		E	81	Island	(2)		E															
70	Globe	(2)		E	82	Camcorder	(4)		E															
71	Vegetable	(3)		E	83	Heart	(3)		E															
72	Frame	(1)		E	84	Wrench	(4)		E															
No. of Errors					No. of Errors					No. of Errors					No. of Errors									

SET 9					START Ages 12 - 16					SET 10					SET 11				
Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error
97	Pedal	(2)		E	109	Solo	(4)		E	121	Carpenter	(2)		E	129	Coast	(4)		E
98	Dissecting	(2)		E	110	Citrus	(2)		E	122	Dilapidated	(4)		E	130	Appliance	(1)		E
99	Bouquet	(4)		E	111	Inflated	(3)		E	123	Hazardous	(3)		E	131	Foundation	(4)		E
100	Rodent	(3)		E	112	Lecturing	(3)		E	124	Adapter	(2)		E	132	Hatchet	(3)		E
101	Inhaling	(4)		E	113	Timer	(1)		E	125	Valve	(3)		E					
102	Valley	(1)		E	114	Injecting	(1)		E	126	Isolation	(1)		E					
103	Tubular	(3)		E	115	Links	(4)		E	127	Feline	(2)		E					
104	Demolishing	(4)		E	116	Cooperating	(2)		E	128	Wailing	(1)		E					
105	Tusk	(1)		E	117	Microscope	(1)		E										
106	Adjustable	(2)		E	118	Archery	(2)		E										
107	Fern	(1)		E	119	Garment	(4)		E										
108	Hurdling	(3)		E	120	Fragile	(3)		E										
No. of Errors					No. of Errors					No. of Errors					No. of Errors				

SET 12					START Ages 17 - Adult					SET 13					SET 14				
Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error
133	Blazing	(3)		E	145	Syringe	(4)		E	157	Indigent	(2)		E	163	Periodical	(2)		E
134	Mammal	(2)		E	146	Transparent	(3)		E	158	Oasis	(1)		E	164	Filtration	(1)		E
135	Reprimanding	(1)		E	147	Ladle	(2)		E	159	Disappointed	(4)		E	165	Primate	(4)		E
136	Upholstery	(4)		E	148	Replenishing	(3)		E	160	Perpendicular	(3)		E	166	Spherical	(2)		E
137	Hoisting	(1)		E	149	Abrasive	(1)		E	161	Poultry	(4)		E	167	Talon	(3)		E
138	Exterior	(1)		E	150	Parallelogram	(3)		E	162	Confiding	(1)		E	168	Octagon	(3)		E
139	Consuming	(4)		E	151	Cascade	(4)		E										
140	Pastry	(4)		E	152	Lever	(1)		E										
141	Cornea	(2)		E	153	Detonation	(2)		E										
142	Constrained	(3)		E	154	Pillar	(2)		E										
143	Pedestrian	(2)		E	155	Cultivating	(1)		E										
144	Colt	(3)		E	156	Aquatic	(4)		E										
No. of Errors					No. of Errors					No. of Errors					No. of Errors				

Codebox 8 Ethiopia Languages			
<i>01=Afarigna</i>	<i>06=Guraghigna</i>	<i>11=Oromifa</i>	<i>16=Welayitegna</i>
<i>02=Amarigna</i>	<i>07=Hadiyigna</i>	<i>12=Sidamigna</i>	<i>17=Zayigna (around Zuway)</i>
<i>03=Agewigna</i>	<i>08=Harari</i>	<i>13=Siltigna</i>	<i>77=NK</i>
<i>04=Dawerogna</i>	<i>09=Kefigna</i>	<i>14=Somaligna</i>	<i>88=N/A</i>
<i>05=Gedeogna</i>	<i>10=Kembategna</i>	<i>15=Tigrigna</i>	<i>20=Other specify</i>

SET 15					SET 16					SET 17				
Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error
169	Incandescent	(4)		E	181	Coniferous	(4)		E	193	Embossed	(4)		E
170	Pilfering	(2)		E	182	Wilbebeest	(1)		E	194	Perambulating	(2)		E
171	Trajectory	(1)		E	183	Caster	(3)		E	195	Arable	(3)		E
172	Mercantile	(3)		E	184	Reposing	(4)		E	196	Importunity	(1)		E
173	Derrick	(4)		E	185	Convex	(1)		E	197	Cenotaph	(1)		E
174	Ascending	(2)		E	186	Gourmand	(3)		E	198	Tonsorial	(4)		E
175	Monetary	(3)		E	187	Dromedary	(2)		E	199	Nidificating	(3)		E
176	Entomologist	(2)		E	188	Diverging	(4)		E	200	Terpsichorean	(1)		E
177	Gaff	(1)		E	189	Incertitude	(2)		E	201	Cairn	(4)		E
178	Quintet	(3)		E	190	Quiescent	(3)		E	202	Osculating	(2)		E
179	Nautical	(4)		E	191	Honing	(1)		E	203	Vitreous	(3)		E
180	Incarcerating	(1)		E	192	Cupola	(2)		E	204	Lugubrious	(2)		E
No. of Errors					No. of Errors					No. of Errors				

1.6	Test administration: Finish Time (hour) (possible values: 07 to 18)	Hours: [___]
1.7	Test administration: Finish Time (minutes) (possible values: 00 to 59)	Minutes: [___]

FIELDWORKER: Fill out 1.8 to 1.10 **after** you have finished all tests with the child and without the child present.

1.8	Ceiling item (possible values: from 1 to 204, -79=Refused to answer, -88=NA)	[_____]
1.9	Minus errors (possible values: from 0 to 100, -79=refused to answer, -88=NA)	[_____]
1.10	Raw score (possible values: from 0 to 204, -79=refused to answer, -88=NA)	[_____]

Note: Field workers should **not** complete the standard scores. The standard scores will be calculated centrally by a few people (preferably psychologists with experience in using the PPVT) who will: a) check that the chronological age, ceiling item, number of errors and raw score are correct, and b) estimate and enter the standard score based on the tables provided in the manual.

1.11	Standard score (possible values: 40 to 160, -79=refused to answer, -88=NA) (DON'T FILL ON FIELD)	[_____]
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FIELDWORKER: Fill out 1.12 to 1.14 **after** you have finished the test with the child and she/he is no longer there.

1.12	Language used by field worker during administration. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[___]
1.13	Language used by child during administration. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[___]
1.14	Language in which the test was written. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[___]

READING AND WRITING ITEMS

FIELDWORKER: It is very important to assure adequate conditions for the assessment. You should look for a place with adequate lighting (natural or artificial), relative absence of noise and a flat surface for the child to write. If these conditions are not available, try to look for other space or reschedule if possible.

FIELDWORKER: Use the literacy card here. Administer the items on reading and writing with the literacy card and fill out the items below. For writing item, hand the child the Cognitive Development and Achievement Questionnaire opened on the **Answer sheet** page. The child must write the sentence in this answer sheet.

1.15	Test administration: Start Time (hour) (possible values: 07 to 17)	Hours: [__ __]
1.16	Test administration: Start Time (minutes) (possible values: 00 to 59)	Minutes: [__ __]

1.17	Reading Item. 77=NK 79=refused to answer 88=NA 01=Can't read anything 02=Reads letters 03=Reads word 04=Reads sentence	[__ __]
1.18	Writing Item. 77=NK 79=refused to answer 88=NA 01=No 02=Yes with difficulty or errors 03=Yes without difficulty or errors	[__ __]

1.19	Test administration: Finish Time (hour) (possible values: 07 to 18)	Hours: [__ __]
1.20	Test administration: Finish Time (minutes) (possible values: 00 to 59)	Minutes: [__ __]

ANSWER SHEET FOR 1.18: WRITING

IF THE CHILD MAKES A MISTAKE AND WANTS TO START AGAIN TELL THEM TO CROSS OUT WHAT THEY HAVE WRITTEN AND START AGAIN ON THE NEXT LINE

ADAPTATION OF EARLY GRADE READING ASSESMENT (EGRA)

FIELDWORKER: It is very important to assure adequate conditions for the assessment. You should look for a place with adequate lighting (natural or artificial), relative absence of noise and a flat surface for the child to work on. If these conditions are not available, try to look for other space or reschedule if possible.

FIELDWORKER: Use the EGRA stimuli cards and your Fieldworker's manual for this part. Be sure to read the instructions to the child and make sure the child understands what needs to be done. All instructions for administering EGRA are located on your fieldworker's manual. Fill the answers and codes in the given spaces.

1.21	Test administration: Start Time (hour) (possible values: 07 to 17)	Hours: [__ __]
1.22	Test administration: Start Time (minutes) (possible values: 00 to 59)	Minutes: [__ __]

Section A. Familiar Word Identification

FIELDWORKER: Show the child card 1 of the EGRA stimuli cards. Read the instructions in your manual and practice the examples with the child. Ask the child to start reading the words and mark each incorrect word with a slash mark (/). Count self-corrections as correct. This is a **timed exercise**. When 60 seconds have gone by stop the child and **mark the final word attempted before you said "stop" with a bracket (])**. If the child cannot read any of the examples correctly, discontinue this section and go directly to section C: Listening comprehension.

Examples:	cat	he	ball
sad dog	red do	eat /5	
and us	to girl	then /10	
as hat	if seem	get /15	
house sun	stop lots	ear /20	
food at	they big	the /25	
last run	fly we	on /30	
saw walk	school best	time /35	
boy wall	chair all	me /40	
will blue	size fall	go /45	
hope far	man her	was /50	
rat have	fat good	pet /55	
up try	small eye	love /60	

1.23	The child can read at least one example (possible values: 01=yes, 02=no, -79=Refused to answer, -88=NA)	[__ __]
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FIELDWORKER: Fill the next items after you finished administering the test to the child, and he/she is no longer with you.

1.24	Total words read at 60 seconds (possible values: from 1 to 60, -79=Refused to answer, -88=NA)	[__ __]
1.25	Total incorrect words at 60 seconds (possible values: from 0 to 60, -79=refused to answer, -88=NA)	[__ __]
1.26	Total correct words in 60 seconds (possible values: from 0 to 60, -79=refused to answer, -88=NA)	[__ __]
1.27	ONLY IF LESS THAN 60 SECONDS, number of seconds at completion (possible values: from 0 to 59, -79=refused to answer, -88=NA)	[__ __]

Section B. Passage reading 

FIELDWORKER: Show the child card 2 of the EGRA stimuli cards. Read the instructions in your manual with the child. Ask him/her to start reading the story aloud and mark each correct word with a slash (/). Count self-corrections as correct. This is a **timed exercise**. When 60 seconds have gone by **mark the final word attempted before with a bracket (])**.

<u>Sandra and her grey cat</u>	5
My name is Sandra and I am eight years old.	15
My little brother is Charlie and he is four. We	25
like to play with our cat. Our cat is grey and fat	37
and she likes to hide behind the big furniture.	46
One day, our cat went missing. We thought	54
she was just playing hide and seek, but we	63
could not find her in her favorite places. So we	73
searched all around the house for the cat.	81
Finally, we found her under the bed, but she was	91
not alone! She had given birth to three kittens:	100
two grey and one white. When we told our parents	110
about the kittens, they told us that mom was also	120
having a baby. We are going to have a sister!	130

FIELDWORKER: If the 60 seconds have gone by and the child was not able to read the title and two first lines, mark "no" in the following question and fill out 1.29, 1.30, and 1.31 after you finished administering the test to the child, and he/she is no longer with you. Then, go on to section C: Listening comprehension. If the child was able to read mark "yes" and continue with this section.

1.28	The child can read (possible values: 01=yes, 02=no, -79=Refused to answer, -88=NA)	[___]
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FIELDWORKER: Fill the next items after you finished administering the test to the child, and he/she is no longer with you.

1.29	Total words read at 60 seconds (possible values: from 1 to 130, -79=Refused to answer, -88=NA)	[____]
1.30	Total incorrect words at 60 seconds (possible values: from 0 to 130, -79=refused to answer, -88=NA)	[____]
1.31	Total correct words in 60 seconds (possible values: from 0 to 130, -79=refused to answer, -88=NA)	[____]
1.32	ONLY IF LESS THAN 60 SECONDS, number of seconds to complete the paragraph (possible values: from 0 to 59, -79=refused to answer, -88=NA)	[____]

FIELDWORKER: Ask the child to read the text again, this time in silence. Tell her/him that you will ask her/him some questions about after she/he finishes. Let the child keep the card after her/him has read it. After you read each question, give the child at most 15 seconds to answer each question. Record the

exact answer given by the child. Do not mark it as correct or incorrect. The answer will be assessed centrally by a professional with experience in test scoring.

1.33	Who is telling the story? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.34	Why was the cat fat? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.35	What is Sandra's little brother's name? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.36	What do Sandra and Charlie like to do? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.37	Why did Sandra and Charlie say the cat was not alone? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.38	Why do you think the cat was missing for a while? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.39	How many kittens did the cat give birth to? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.40	Where did Sandra and Charlie find the cat? Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]

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<i>02=Amarigna</i>	<i>07=Hadiyigna</i>	<i>12=Sidamigna</i>	<i>17=Zayigna (around Zuway)</i>
<i>03=Agewigna</i>	<i>08=Harari</i>	<i>13=Siltigna</i>	<i>77=NK</i>
<i>04=Dawerogna</i>	<i>09=Kefigna</i>	<i>14=Somaligna</i>	<i>88=N/A</i>
<i>05=Gedeogna</i>	<i>10=Kembategna</i>	<i>15=Tigrigna</i>	<i>20=Other specify</i> _____

Section C. Listening Comprehension

FIELDWORKER: This is **not** a timed exercise and **there is no stimuli card**. Read two times, aloud and slowly (1 one word per second) the following passage to the child and ask him/her the following questions.

A yellow little chicken was walking through a bridge. Suddenly, he slipped and fell in the river. "Help me! I can't swim!" he cried. There was a mouse passing by that saw the little chicken and came to help, but he fell in too. "What do we do now? I can't swim either" said the mouse. "I see something that is coming our way!" the chicken replied. They both climbed on the log and rowed to the shore. "We are saved!" they shouted when they finally arrived to land.

FIELDWORKER: After you read each question, give the child at most 15 seconds to answer each question. **Record the exact answer** given by the child. Do not mark it as correct or incorrect. The answer will be assessed centrally by a professional with experience in test grading.

1.41	Who fell in the river first? Child's response: _____ values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA	[___]
1.42	Who fell in the river last? Child's response: _____ values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA	[___]
1.43	Why did the little chicken fall in the river? Child's response: _____ values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA	[___]
1.44	Where was the chicken before he fell in the river? Child's response: _____ values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA	[___]
1.45	Why did the little chicken cry for help? Child's response: _____ values 01= correct, 02= partially correct, 03= incorrect, 77=NK, 79=refused to answer, 88=NA	[___]
1.46	How did the chicken and the mouse get out of the river? Child's response: _____ values 01= correct, 02= partially correct, 03= incorrect, 77=NK, 79=refused to answer, 88=NA	[___]

1.47	Test administration: Finish Time (hour) (possible values: 07 to 18)	Hours: [___]
1.48	Test administration: Finish Time (minutes) (possible values: 00 to 59)	Minutes: [___]

FIELDWORKER: Fill out 1.49 to 1.51 **after** you have finished the test with the child and she/he is no longer there.

1.49	Language used by field worker during administration. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[___]
1.50	Language used by child during administration. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[___]

1.51	Language in which the test was written. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[_ _]
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Section D Mathematics Achievement Test

FIELDWORKER: It is very important to assure adequate conditions for the assessment. You should look for a place with adequate lighting (natural or artificial), relative absence of noise and a flat surface for the child to work on. If these conditions are not available, try to look for other space or reschedule if possible.

FIELDWORKER: Explain the instructions in your Fieldworker's manual to the child. For the next items show him/her the Numeracy cards and read the instructions on your manual. Record the child's exact response and check if it is correct or incorrect and mark accordingly in spaces given below.

1.52	Test administration: Start Time (hour) (possible values: 07 to 17)	Hours: [_ _]
1.53	Test administration: Start Time (minutes) (possible values: 00 to 59)	Minutes: [_ _]

1.54	Math Item 1: Please, put your finger on number twenty one (use Numeracy Card A) Child's response: _____ (Correct answer: 21) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[_ _]
1.55	Math Item 2: Please, put your finger on number three hundred and twelve (use Numeracy Card A) Child's response: _____ (Correct answer: 312) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
1.56	Math Item 3: Please, put your finger on number three thousand one hundred and twenty six (use Numeracy Card A) Child's response: _____ (Correct answer: 3126) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
1.57	Math Item 4: Please count how many balls there are here (use Numeracy Card B) Child's response: _____ (Correct answer: 12) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
1.58	Math Item 5: Which number should come in the space in blank? (use Numeracy Card C) Child's response: _____ (Correct answer: 28) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
1.59	Math Item 6 Which number should come in the space in blank? (use Numeracy Card D) Child's response: _____ (Correct answer: 10) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
1.60	Math Item 7 Jane has 2 apples and she receives 3 more apples. How many apples does she have now? (use Numeracy Card E) Child's response: _____ (Correct answer: 5) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
1.61	Math Item 8 Joseph has 20 dollars and he bought a 4 dollar ice-cream. How many dollars does he have left? (use Numeracy Card F) Child's response: _____ (Correct answer: 16) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]

1.62	Math Item 9 Please tell me the answer of this calculation: Two times four? (This item has no card) Child's response: _____ (Correct answer: 8) (values 01= correct, 02= incorrect, 77= NK, 79=refused to answer, 88=NA)	[_ _]
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1.63	Test administration: Finish Time (hour) (possible values: 07 to 18)	Hours: [_ _]
1.64	Test administration: Finish Time (minutes) (possible values: 00 to 59)	Minutes: [_ _]

Booklet. Math Computing

FIELDWORKER: Give the Mathematics Achievement Test Younger Cohort - **Booklet. Math computing** to the child. Read the instructions with the child to make sure she/he understands the instructions (**child must answer the questions in order**). Then let the child work by herself/himself with the test under your supervision. **After 4 minutes** you should register the last item completed by the child without interrupting his/her work. Let the child continue working **until 8 minutes** have passed since the beginning of the test. Then stop the administration. Later on, and without the child present, fill in the answer table below with the exact answers provided by the child.

1.65	Test administration: Start Time (hour) (possible values: 07 to 17)	Hours: [_ _]
1.66	Test administration: Start Time (minutes) (possible values: 00 to 59)	Minutes: [_ _]

1.67	Math Item 10 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.68	Math Item 11 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.69	Math Item 12 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.70	Math Item 13 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.71	Math Item 14 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.72	Math Item 15 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.73	Math Item 16 (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.74	Math Item 17 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.75	Math Item 18 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.76	Math Item 19 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.77	Math Item 20 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.78	Math Item 21 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.79	Math Item 22 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]
1.80	Math Item 23 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[_ _ _]

Codebox 8 Ethiopia Languages			
01=Afarigna	06=Guraghigna	11=Oromifa	16=Welayitegna
02=Amarigna	07=Hadiyigna	12=Sidamigna	17=Zayigna (around Zuway)
03=Agewigna	08=Harari	13=Siltigna	77=NK
04=Dawerogna	09=Kefigna	14=Somaligna	88=N/A
05=Gedeogna	10=Kembategna	15=Tigrigna	20=Other specify _____

1.81	Math Item 24 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[____]
1.82	Math Item 25 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[____]
1.83	Math Item 26 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[____]
1.84	Math Item 27 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[____]
1.85	Math Item 28 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[____]
1.86	Math Item 29 (values from 0 to 999, -77=NK, -79=refused to answer, -88=NA)	[____]

FIELDWORKER: Fill the next items after you finished administering the math computing test to the child, and he/she is no longer with you.

1.87	Last item completed after 4 minutes (possible values: from 11 to 29, -88=NA)	[____]
1.88	Last item completed after 8 minutes (possible values: from 11 to 29, -88=NA)	[____]

1.89	Test administration: Finish Time (hour) (possible values: 07 to 18)	Hours: [____]
1.90	Test administration: Finish Time (minutes) (possible values: 00 to 59)	Minutes: [____]

FIELDWORKER: Fill out 1.91 to 1.93 **after** you have finished the test with the child and she/he is no longer there.

1.91	Language used by field worker during administration. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[____]
1.92	Language used by child during administration. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[____]
1.93	Language in which the test was written. (ENTER FROM CODE BOX #8) (if 07 then specify below) Other, specify: _____	[____]

EVALUATION OF ADMINISTRATION

1.94	Comments on the administration (please comment on any situations that might affect the validity of the test results, especially if you considered the administration of either test inadequate)
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Date when this section is filled: ___ / ___ / ___
(day/month/year)

Time when section started: ___ : ___

Fieldworker's name: _____ Code: ___