

Young Lives  CHILD QUESTIONNAIRE ( 14.5 - 15.5 YEAR OLD CHILD) 2009 – 3 <sup>rd</sup> Round Survey	CHILD ID:						



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

**Child Questionnaire for 14.5-15.5 Year Olds (older cohort)  
Birthday of child- (Miazia 15,1986 - Miazia 14, 1987)**

**Ethiopian Development Research Institute (Ethiopia)  
University of Oxford (UK)**

Funded by Department for International Development (DFID)

## SECTION 10: ACHIEVEMENT TESTS

Date when this section is filled: ___ / ___ / ___ (day/month/year) Time when section started: ___ : ___ Fieldworker's name: _____ Code: ___
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**FIELDWORKER:** Fill out 1.1 **before** you administer the tests.

1.1	<b>Does the child have a severe visual impairment?</b> 00=No      01=Yes  → (If the answer is Yes, do not administer the tests. This section is finished)	[ ___ ]
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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 side of the Training Plates (picture easel). Use Training Items C and D (designed for children 8 years and older).

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

**FIELDWORKER:** After you have administered the appropriate Training Items, begin testing using the Sets 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 space 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)		<del>E</del>

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 to the child. (These items will aid the database entry process.)

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

PPVT Administration:

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

START Ages 2.5 - 3					SET 1				
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
<b>No. of Errors</b>					<b>No. of Errors</b>				

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	Item	Word	Key	Resp	Error	Item	Word	Key	Resp	Error
25	Empty	(1)		E	37	Castle	(2)		E	49	Parachute	(3)		E	61	Whispering	(2)		E	73	Whispering	(2)		E
26	Shoulder	(3)		E	38	Sawing	(4)		E	50	Delivering	(1)		E	62	Whispering	(2)		E	74	Whispering	(2)		E
27	Square	(4)		E	39	Cactus	(3)		E	51	Rectangle	(1)		E	63	Whispering	(2)		E	75	Whispering	(2)		E
28	Measuring	(4)		E	40	Farm	(1)		E	52	Diving	(2)		E	64	Whispering	(2)		E	76	Whispering	(2)		E
29	Porcupine	(1)		E	41	Going	(2)		E	53	Camper	(4)		E	65	Whispering	(2)		E	77	Whispering	(2)		E
30	Arrow	(2)		E	42	Harp	(1)		E	54	Target	(2)		E	66	Whispering	(2)		E	78	Whispering	(2)		E
31	Peeling	(3)		E	43	Astronaut	(3)		E	55	Writing	(1)		E	67	Whispering	(2)		E	79	Whispering	(2)		E
32	Fountain	(2)		E	44	Raccoon	(4)		E	56	Furry	(4)		E	68	Whispering	(2)		E	80	Whispering	(2)		E
33	Accident	(2)		E	45	Juggling	(4)		E	57	Drilling	(2)		E	69	Whispering	(2)		E	81	Whispering	(2)		E
34	Penguin	(1)		E	46	Envelope	(2)		E	58	Hook	(3)		E	70	Whispering	(2)		E	82	Whispering	(2)		E
35	Decorated	(4)		E	47	Tearing	(3)		E	59	Group	(3)		E	71	Whispering	(2)		E	83	Whispering	(2)		E
36	Nest	(3)		E	48	Claw	(1)		E	60	Dripping	(4)		E	72	Whispering	(2)		E	84	Whispering	(2)		E
<b>No. of Errors</b>					<b>No. of Errors</b>					<b>No. of Errors</b>					<b>No. of Errors</b>									

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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
61	Vehicle	(4)		E	73	Gigantic	(2)		E	85	Flamingo	(2)		E
62	Oval	(1)		E	74	Nostril	(4)		E	86	Tambourine	(4)		E
63	Luggage	(2)		E	75	Vase	(3)		E	87	Palm	(1)		E
64	Awarding	(3)		E	76	Knight	(1)		E	88	Surprised	(4)		E
65	Hydrant	(4)		E	77	Towing	(1)		E	89	Canoe	(3)		E
66	Swamp	(3)		E	78	Horrorified	(3)		E	90	Interviewing	(1)		E
67	Calculator	(2)		E	79	Trunk	(2)		E	91	Clarinet	(4)		E
68	Signal	(1)		E	80	Selecting	(1)		E	92	Exhausted	(2)		E
69	Squash	(4)		E	81	Island	(2)		E	93	Pitcher	(3)		E
70	Globe	(2)		E	82	Camcorder	(4)		E	94	Reptile	(2)		E
71	Vegetable	(3)		E	83	Heart	(3)		E	95	Polluting	(3)		E
72	Frame	(1)		E	84	Wrench	(4)		E	96	Vine	(1)		E
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
97	Pedal	(2)		E	109	Solo	(4)		E	121	Carpenter	(2)		E
98	Dissecting	(2)		E	110	Citrus	(2)		E	122	Dilapidated	(4)		E
99	Bouquet	(4)		E	111	Inflated	(3)		E	123	Hazardous	(3)		E
100	Rodent	(3)		E	112	Lecturing	(3)		E	124	Adapter	(2)		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	129	Coast	(4)		E
106	Adjustable	(2)		E	118	Archery	(2)		E	130	Appliance	(1)		E
107	Fern	(1)		E	119	Garment	(4)		E	131	Foundation	(4)		E
108	Hurdling	(3)		E	120	Fragile	(3)		E	132	Hatchet	(3)		E
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
133	Blazing	(3)		E	145	Syringe	(4)		E	157	Indigent	(2)		E
134	Mammal	(2)		E	146	Transparent	(3)		E	158	Oasis	(1)		E
135	Reprimanding	(1)		E	147	Ladle	(2)		E	159	Disappointed	(4)		E
136	Upholstery	(4)		E	148	Replenishing	(3)		E	160	Perpendicular	(3)		E
137	Hoisting	(1)		E	149	Abrasive	(1)		E	161	Poultry	(4)		E
138	Exterior	(1)		E	150	Parallelogram	(3)		E	162	Confiding	(1)		E
139	Consuming	(4)		E	151	Cascade	(4)		E	163	Periodical	(2)		E
140	Pastry	(4)		E	152	Lever	(1)		E	164	Filtration	(1)		E
141	Cornea	(2)		E	153	Detonation	(2)		E	165	Primate	(4)		E
142	Constrained	(3)		E	154	Pillar	(2)		E	166	Spherical	(2)		E
143	Pedestrian	(2)		E	155	Cultivating	(1)		E	167	Talon	(3)		E
144	Colt	(3)		E	156	Aquatic	(4)		E	168	Octagon	(3)		E
No. of Errors					No. of Errors					No. of Errors				

<b>Codebox #15 Ethiopia Languages</b>			
<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>	<b>20=Other specify</b> _____

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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	Wildebeest	(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	<b>Test administration: Finish Time (hour)</b> (possible values: 07 to 18)	Hours: [ ___ ]
1.7	<b>Test administration: Finish Time (minutes)</b> (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	<b>Ceiling item</b> (possible values: from 1 to 204, -79=Refused to answer, -88=NA)	[ _____ ]
1.9	<b>Minus errors</b> (possible values: from 0 to 100, -79=refused to answer, -88=NA)	[ _____ ]
1.10	<b>Raw score</b> (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	<b>Standard score</b> (possible values: 40 to 160, -79=refused to answer, -88=NA) <b>(DON'T FILL ON FIELD)</b>	[ _____ ]
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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	<b>Language used by field worker during administration.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ ___ ]
1.13	<b>Language used by child during administration.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ ___ ]
1.14	<b>Language in which the test was written.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ ___ ]

## VERBAL ACHIEVEMENT TEST OLDER COHORT

**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:** Give the Verbal Achievement Test Older Cohort - **cloze** to the child and read the instructions of this section 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 5 minutes** you should register the last item completed by the child without interrupting his/her work. Let the child continue working **until 10 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. Do not mark them as correct or incorrect. The answers will be assessed centrally by a professional with experience in test scoring.

1.15	<b>Test administration: Start Time (hour)</b> (possible values: 07 to 17)	Hour: [ __ __ ]
1.16	<b>Test administration: Start Time (minutes)</b> (possible values: 00 to 59)	Minutes: [ __ __ ]

1.17	<b>Cloze Item 1</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.18	<b>Cloze Item 2</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.19	<b>Cloze Item 3</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.20	<b>Cloze Item 4</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.21	<b>Cloze Item 5</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.22	<b>Cloze Item 6</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.23	<b>Cloze Item 7</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.24	<b>Cloze Item 8</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.25	<b>Cloze Item 9</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.26	<b>Cloze Item 10</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]
1.27	<b>Cloze Item 11</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ __ ]

1.28	<b>Cloze Item 12</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.29	<b>Cloze Item 13</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.30	<b>Cloze Item 14</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.31	<b>Cloze Item 15</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.32	<b>Cloze Item 16</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.33	<b>Cloze Item 17</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.34	<b>Cloze Item 18</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.35	<b>Cloze Item 19</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.36	<b>Cloze Item 20</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.37	<b>Cloze Item 21</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.38	<b>Cloze Item 22</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.39	<b>Cloze Item 23</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
1.40	<b>Cloze Item 24</b> Child's response: _____ (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]



 CHILD QUESTIONNAIRE ( 14.5 - 15.5 YEAR OLD CHILD) 2009 – 3 <sup>rd</sup> Round Survey	CHILD ID:							

<b>Codebox #15 Ethiopia Languages</b>			
<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>	<b>20=Other specify</b> _____

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1.41	<b>Last item completed after 5 minutes</b> (possible values: from 1 to 24 -88=NA)	[ ___ ]
1.42	<b>Last item completed after 10 minutes</b> (possible values: from 1 to 24 -88=NA)	[ ___ ]

1.43	<b>Test administration: Finish Time (hour)</b> (possible values: 07 to 18)	Hours: [ ___ ]
1.44	<b>Test administration: Finish Time (minutes)</b> (possible values: 00 to 59)	Minutes: [ ___ ]

**FIELDWORKER:** Fill out 1.45 to 1.47 **after** you have finished the test with the child and she/he is no longer there.

1.45	<b>Language used by field worker during administration.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ ___ ]
1.46	<b>Language used by child during administration.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ ___ ]
1.47	<b>Language in which the test was written.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ ___ ]

## MATHEMATICS ACHIEVEMENT TEST OLDER COHORT

**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.

### Booklet 1. Math Computing

**FIELDWORKER:** Give the Mathematics Achievement Test Older Cohort - **Booklet 1** 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. In some items you just have to write the response given by the child. In other items you have to write down the response given by the child and then check if it is correct or incorrect and mark accordingly. Consult your fieldworker's manual for detailed instructions.

1.48	<b>Test administration: Start Time (hour)</b> (possible values: 07 to 18)	Hours: [ ___ ]
1.49	<b>Test administration: Start Time (minutes)</b> (possible values: 00 to 59)	Minutes: [ ___ ]

1.50	<b>Math Item 1</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.51	<b>Math Item 2</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.52	<b>Math Item 3</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.53	<b>Math Item 4</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.54	<b>Math Item 5</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.55	<b>Math Item 6</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.56	<b>Math Item 7</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.57	<b>Math Item 8</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.58	<b>Math Item 9</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.59	<b>Math Item 10</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.60	<b>Math Item 11</b> Child's response: _____ (Correct answer: 17.43) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]

1.61	<b>Math Item 12</b> Child's response: _____ (Correct answer: $\frac{9}{4}$ or $2\frac{1}{4}$ ) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
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1.62	<b>Math Item 13</b> Child's response: _____ (Correct answer: 18.03) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
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1.63	<b>Math Item 14</b> Child's response: _____ (Correct answer: $\frac{3}{4}$ or $\frac{18}{24}$ ) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
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1.64	<b>Math Item 15</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
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1.65	<b>Math Item 16</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
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1.66	<b>Math Item 17</b> (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
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1.67	<b>Math Item 18</b> Child's response: _____ (Correct answer: - 0.87) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
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1.68	<b>Math Item 19</b> Child's response: _____ (Correct answer: $1\frac{2}{5}$ ) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
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1.69	<b>Math Item 20</b> Child's response: _____ (Correct answer: $\frac{25}{63}$ ) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ ___ ]
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1.70	<b>Last item completed after 4 minutes</b> (possible values: from 1 to 20, -88=NA)	[ ___ ]
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1.71	<b>Last item completed after 8 minutes</b> (possible values: from 1 to 20, -88=NA)	[ ___ ]
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1.72	<b>Test administration: Finish Time (hour)</b> (possible values: 07 to 18)	Hours: [ ___ ]
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1.73	<b>Test administration: Finish Time (minutes)</b> (possible values: 00 to 59)	Minutes: [ ___ ]
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<b>Codebox #15 Ethiopia Languages</b>			
<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>	<b>20=Other specify</b> _____

**Booklet 2. Problem Solving**

**FIELDWORKER:** Give the Mathematics Achievement Test Older Cohort - **Booklet 2** 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 himself/herself with the test under your supervision. **After 10 minutes** finish the administration. Do not forget to register the finish time. Later on, and without the child present, fill in the answer table below with the exact answers provided by the child. In some items you just have to write the response given by the child. In other items you have to write down the response given by the child and then check if it is correct or incorrect and mark accordingly. Consult your fieldworker's manual for detailed instructions.

1.74	Test administration: <b>Start Time (hour)</b> (possible values: 07 to 18)	Hours: [ __ ]
1.75	Test administration: <b>Start Time (minutes)</b> (possible values: 00 to 59)	Minutes: [ __ ]

1.76	Math Item 21 (values 01=a, 02=b, 03=c, 04=d, 77=NK, 79=refused to answer, 88=NA)	[ __ ]
1.77	Math Item 22 (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.78	Math Item 23 (values 01=a, 02=b, 03=c, 04=d, 77=NK, 79=refused to answer, 88=NA)	[ __ ]
1.79	Math Item 24 (values 01=a, 02=b, 03=c, 04=d, 77=NK, 79=refused to answer, 88=NA)	[ __ ]
1.80	Math Item 25 (values 01=a, 02=b, 03=c, 04=d, 05=e, 77=NK, 79=refused to answer, 88=NA)	[ __ ]
1.81	Math Item 26 (values 01=a, 02=b, 03=c, 04=d, 77=NK, 79=refused to answer, 88=NA)	[ __ ]
1.82	Math Item 27 (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.83	<b>Math Item 28</b> Child's response: _____ (Correct answer: 07:25) (values 01= correct, 02= incorrect, 77=NK, 79=refused to answer, 88=NA)	[ __ ]
1.84	Math Item 29 (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]
1.85	Math Item 30 (values from 0 to 9999, -77=NK, -79=refused to answer, -88=NA)	[ _____ ]

1.86	Test administration: <b>Finish Time (hour)</b> (possible values: 07 to 18)	Hours: [ __ ]
1.87	Test administration: <b>Finish Time (minutes)</b> (possible values: 00 to 59)	Minutes: [ __ ]

**FIELDWORKER:** Fill out 1.88 to 1.90 **after** you have finished the test with the child and she/he is no longer there.

1.88	<b>Language used by field worker during administration.</b> (ENTER FROM CODE BOX #15) (if 07 then specify below) Other, specify: _____	[ __ ]
1.89	<b>Language used by child during administration.</b> (ENTER FROM CODE BOX #15) (if or 07 then specify below) Other, specify: _____	[ __ ]
1.90	<b>Language in which the test was written.</b> (ENTER FROM CODE BOX #15) (if or 07 then specify below) Other, specify: _____	[ __ ]