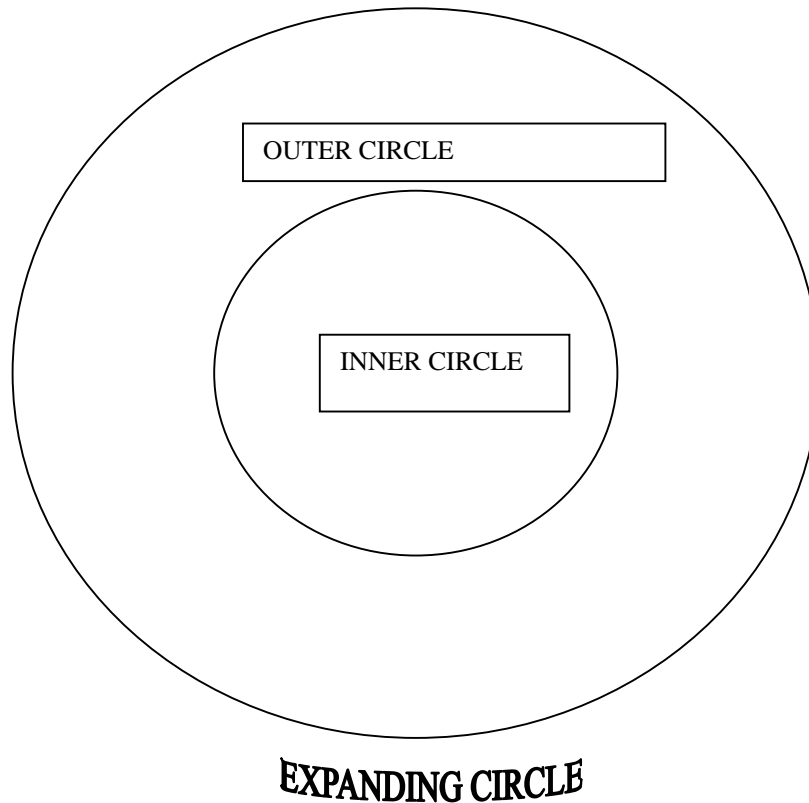


Appendix 1: Kachru's Concentric Circles of World Englishes (Kachru 1985)

1. Inner Circle = English is a primary language and the country is norm-providing. E.g. Australia, United Kingdom and USA
2. Outer Circle = English is one of the two or more official languages and has an extended functional range of usage in the society, which tends to be norm-developing. E.g. India, Kenya and Zambia.
3. Expanding Circle = English is an international language only and is norm-dependant. E.g. China, Israel and USSR.



Appendix 2: Titles Selected As Top Choices

Asella

1. *Ali Baba and the Forty Thieves*
2. *Aladdin and his Magic Lamp*
3. *The World Around Us*
4. *Animal Tales*
5. *Animal Friends*
6. *Dangerous Game*
7. *King Solomon's Mines*
8. *The Terrorists Attack*
9. *Exploring our World*
10. *Things Fall Apart*
11. *Island of the Volcanoes*
12. *Inspector Holt: The Bridge*
13. *Tales from the Arabian Nights*
14. *On the Road*
15. *The Bird and the Bread*
16. *Girl Against Jungle*

Bishoftu

1. *The Magic Garden*
2. *The Adventures of Tom Sawyer*
3. *Professor Boffin's Umbrella*
4. *The Queen of Death*
5. *Ali Baba and the Forty Thieves*
6. *Aladdin and His Magic Lamp*
7. *The World Around Us*
8. *King Solomon's Mines*
9. *The Stranger*
10. *Tales from the Arabian Nights*

11. *Worth a Fortune*

12. *People and Things*

Denkaka

1. *Ali Baba and the Forty Thieves*
2. *Aladdin and His Magic Lamp*
3. *The Prisoners*
4. *At the Zoo*
5. *Animal Friends*
6. *Lost and Found*
7. *The Stranger*
8. *The Man in the Big Car*
9. *The Magic Barber*
10. *There was an Old Woman*
11. *Alissa*
12. *Rich Man - Poor Man*
13. *Going it Alone*
14. *Four Short Stories*
15. *Car Thieves*
16. *On the Road*
17. *The Bird and the Bread*
18. *The Fox and the Stork/The Bird and the Glass*
19. *The Boy and the Donkey*
20. *Four Clever People*

Entoto Amba

1. *Aladdin and His Magic Lamp*
2. *Treasure Island*

3. *Thirty Nine Steps*

4. *Old Macdonald's Farm*

5 *King Solomon's Mines*

Medhanealem

1. *Shane Jack*

2. *Things Fall Apart*

3. *Seven Stories*

4. *Down the River*

5. *Meet Me In Istanbul*

6. *Inspector Holt*

7. *The Stranger*

8. *Alissa*

9. *On the Road*

10. *Adventure Story*

11. *Tales from Arabian Nights*

12. *Aladdin and His Magic Lamp*

13. *The Adventure of Lila*

14. *Adventures of Sinbad*

15. *Treasure Island*

16. *David Copperfield*

17. *Silas Mariner*

18. *Kidnapped*

19. *Animal Farm*

20. *Dangerous Journey*

21. *King Solomon's Mines*

22. *Ali Baba and the Forty Thieves*

23. *Girl against Jungle*

24. *Shane*

25. *In the Beginning*

26. *Chinese Necklace*

27. *Operation Mastermind*

28. *Old Mali and the Boy*

29. *Queen of Death*

30. *The Adventures of Tom Sawyer*

Appendix 3: Questionnaire on the Effect of Primary English Readers on Reading Skills in Ethiopia

Dear Colleagues,

I am doing some research on the Effect of Primary English Readers on Reading Skills in Ethiopia and I would greatly appreciate your frank responses in filling out this questionnaire.

Thank you,

Michael

Name (optional) _____

Educational Qualification _____

Years of Experience _____

1. How do you regard the variety of English supplementary readers in the school?
a) Extremely varied b) Sufficiently varied c) Insufficiently varied
d) Not varied e) Insufficient opportunity to observe

2. How do you regard the quantity of the existing supplementary readers in the school?
a) Extremely sufficient b) Sufficient c) Insufficient
d) Only single copies e) Insufficient opportunity to observe

3. To what extent do you feel supplementary reading contributes to the students mastery of English?
a) Extremely b) A lot c) As much as other language activities
d) Not much e)) Insufficient opportunity to observe

4. What percentage of Grade Eight students read the readers for pleasure outside class?
a) 0 – 35 % b) 36 – 70% c) 71 – 100% d) Insufficient opportunity to observe

5. What percentage of Grade Eight students are able to read well in English?
a) 0 – 35 % b) 36 – 70% c) 71 – 100% d) Insufficient opportunity to observe
6. Do the librarians help the children in selecting appropriate readers?
a) Always b) Often c) Sometimes
d) Never e) Insufficient opportunity to observe
7. Do the teachers help the children in selecting appropriate readers?
a) Always b) Often c) Sometimes
d) Never e) Insufficient opportunity to observe
8. How often do English teachers use supplementary readers to supplement the textbook?
a) 0 – 35 % b) 36 – 70% c) 71 – 100% d) Insufficient opportunity to observe
9. Which two titles do you regards as most appropriate for Grade Eight students?
a) _____
b) _____
10. Which two titles do you regard as least appropriate for Grade Eight students?
a) _____
b) _____

**Appendix 4: Discussion Questions on the Effect of
Primary English Readers on Reading Skills in Ethiopia**

Dear Colleagues,

As you know, I am doing some research on the Effect of Primary English Readers on Reading Skills in Ethiopia. I would greatly appreciate your discussing the following issues in groups and giving me your responses in writing.

Thank you,

Michael

Name of School _____

1. What are the factors that hinder students from using the supplementary English readers in the library?
2. What sort of background encourages students to develop an interest in reading?
3. What sorts of factors discourage teachers from using Supplementary English readers?
4. How do students and their friends perceive supplementary reading?
5. What other issues facilitates or hinders the use of supplementary readers?

Appendix 5: EPER Notes for Users and Score Guide

E.P.E.R. EDINBURGH PROJECT ON EXTENSIVE READING

PLACEMENT TEST A

Notes for Users

1. Range of levels

Test A is one of 5 parallel tests which have been designed to measure a complete range of English language proficiency.

2. Use of the test

EPER offers these 5 tests primarily as Placement Tests within an extensive reading programme organised according to EPER reading levels. Scores are matched against the EPER levels and test performance indicates a student's entry level into the reading programme.

These tests should not be used to measure progress within a reading programme. This is because a test of general proficiency will not always reflect specific progress in reading skills.

These tests are strongly recommended, however, as tests of general proficiency. Different versions, administered at suitable intervals throughout a course, will give an accurate picture of the progress made by each student.

3. Marking the test

It is very important to accept only the answers on the Marking Key, (even if you can think of other correct answers), otherwise you will get an inaccurate reading of the students' levels, since the test validation applies only when this Marking Key is used. When marking, the easiest way is to place the Marking Key on top of the student's Answer Sheet. First, mark the left hand column of answers with the Marking Key to the right of that column, then mark the right hand column of answers with the Marking Key to the left of that column.

4. Using the Scores Guide

The Scores Guide at the back of this User's Guide indicates which EPER reading level is most suitable for a student.

5. Using the Standard Scores

With this Guide, you have received Test A. However, there are four other tests also available. The scores for each of the five different tests (A, B, C, D and E) are calculated on to a common scale. This is called the Standard Score and equivalent Standard Scores are given in the Scores Guide for each possible score on test A. This means that, should you wish to use two different tests (for example you might use Test A at the beginning of the year and Test B at the end of the year), you can make a direct comparison between the results simply by using the Standard Scores.

6. Confidentiality and Security

This test is strictly confidential. Under no circumstances should students be told the answers to the questions. If the answers become known to students, then the test cannot be used again.

To ensure the security of the test, these steps should be taken:

- a) Keep the Question Papers and the Marking Keys under lock and key when they are not being used.
- b) Number all the Question Papers, Marking Keys and Answer Sheets and use these numbers when issuing papers to teachers and when checking them on return.
- c) Collect all the Question Papers from the students, making sure that the Same number are returned as were handed out
- d) Collect all the Answer Sheets from the students.
- e) Do NOT return the Answer Sheets to the students after they have been marked and do NOT discuss the answers with the students. When the marks have been safely recorded, BURN the Answer Sheets.

PLACEMENT TEST A
SCORES GUIDE

Score on Test A	Standard Score
-----------------	----------------

137	100
136	99
135	98
134	97
133	95
132	94
131	92
130	91
129	90
128	89
127	88
126	86
125	85
124	84
123	82
122	81
121	80
120	78
119	77
118	76
117	74
116	73
115	72
114	70

Reading
Unsimplified
Materials

113	69
112	68
111	67
110	65

Adults
Level X

Ages 12-15
Unsimplified
Teenage Fiction

109	64
108	63
107	62
106	61
105	60
104	59
103	57
102	56
101	55

Adults
Level
A

Ages 12-15
Unsimplified
Teenage Fiction

100	54
99	53
98	52
97	51
96	50
95	50
94	49
93	48
92	47
91	46
90	45

Adults
Level
B

Ages 12-15
Unsimplified
Teenage Fiction

Score on Test A	Standard Score
-----------------	----------------

89	44
88	43
87	43
86	42
85	41
84	40
83	39
82	39
81	38
80	37
79	37
78	36
77	35

Level C

76	34
75	34
74	33
73	32
72	32
71	31
70	31
69	30
68	29
67	29
66	28
65	28
64	27
63	26
62	26
61	25
60	25

Level D

59	24
58	24
57	23
56	23
55	22
54	22
53	21
52	20
51	20
50	19
49	19
48	18
47	18
46	18

Level E

Score on Test A	Standard Score
-----------------	----------------

45	17
44	17
43	16
42	16
41	15
40	15
39	14
38	14
37	13
36	13
35	13
34	12
33	12

Level F

32	11
31	11
30	10
29	10
28	10
27	9
26	9
25	8
24	8
23	8

Level G

22	7
21	7
20	6
19	6
18	6
17	6
16	5
15	5
14	5
13	4
12	4
11	4
10	3
9	3
8	3
7	2
6	2
5	2
4	1
3	1
2	1
1	0
0	0

Starter Cards
and Reading
Cards

Appendix 6: EPER Letter of Permission to Use Placement Test



INSTITUTE *for* APPLIED LANGUAGE STUDIES

The University of Edinburgh
21 Hill Place
Edinburgh EH8 9DP
Scotland

Telephone 031 650 6200
Fax 031 667 5927

25 June, 2001

Michael Daniel Ambatchew
Box 1969
Addis Ababa
ETHIOPIA

EPER PLACEMENT/PROGRESS TEST

This is to certify that Michael Ambatchew has permission to copy this test and use it to obtain data relating to his Ph.D study into the effect of extensive reading on students' reading skills.

David R Hill
Project Director
Edinburgh Project on Extensive Reading



INSTITUTE FOR APPLIED LANGUAGE STUDIES

DIRECTOR Mr E H Glendinning

HEAD OF DEPARTMENT OF APPLIED LINGUISTICS Mr A P R Howatt

Appendix 7: Scores on the EPER Placement Test by Treated Group

Name	Sex	Score/141	Standard Score	Reading Level
Abdurazak Negash	M	6	2	S
Abeba Mezengia	F	5	2	S
Abebaw Tekle-Markos	M	14	5	S
Abebayhu Tafesse	M	4	1	S
Abebe Bejiga	M	9	3	S
Abebe Negash	M	5	2	S
Aberash Akalu	F	4	1	S
Abiot Asamenew	M	7	2	S
Abraham Admasu	M	8	3	S
Abraham Alemayehu	M	1	0	S
Abyiot Adane	M	5	2	S
Adane Wondimu	M	0	0	S
Adanech Bekele	F	2	1	S
Aklilu Teklu	M	8	3	S
Albem Demsa	M	6	2	S
Alem Mulushewa	M	9	3	S
Alemitu Asres	F	18	6	S
Alemnesh Moges	F	10	3	S
Alemtsehay Negussie	F	7	2	S
Amare Neka	M	11	4	S
Amredin Kemal	M	20	6	S
Antene Getachew	M	7	2	S
Anteneh Mekonen	M	20	6	S
Asanafe Molla	M	19	6	S
Asegedech Gattu	F	5	2	S
Asfaw Alemu	M	3	1	S
Askale Shewa	F	7	2	S
Asnake Beferdu	M	4	1	S
Asnaku Kebede	F	5	2	S
Asres Deme	M	5	2	S
Assefa Gasolo	M	5	2	S
Atsede Terefe	F	5	2	S
Ayelech Daba	F	14	5	S
Aynalem Ankala	F	11	4	S
Aynalem Debela	F	0	0	S
Azalech Eshetu	F	8	3	S
Banehalem Mitiku	F	3	1	S
Bate GebreMedhin	M	7	2	S
Bayush Mekuria	F	6	2	S
Bedelu Dessa	M	3	1	S
Behailu Zewde	M	2	1	S

Bekelech Kefelegn	F	11	4	S
Bereket Abebe	M	7	2	S
Bereket Tufis	M	2	1	S
Berhana Melo	F	10	3	S
Berihun Tesfaye	M	8	3	S
Bethelehem Belay	F	9	3	S
Bethelehem Berhanu	F	6	2	S
Bethelehem Getachew	F	5	2	S
Bethlehem Guta	F	31	11	G
Bethlehem Belayneh	F	59	24	E
Bethlehem Bogale	F	7	2	S
Bethlehem Degfu	F	17	6	S
Bezaneish Gblae	F	5	2	S
Biniyam Abera	M	22	7	S
Biniyam Negussie	M	36	13	F
Birtukan X	F	2	1	S
Bizu Kuma	M	14	5	S
Bizuayehu Habte	M	1	0	S
Bruktawit Anbessie	F	13	4	S
Dagmawit Alemayehu	F	11	4	S
Daniel Getachew	M	3	1	S
Daniel Haile	M	3	1	S
Daniel Jote	M	7	2	S
Daniel Mekonen	M	4	1	S
Daniel Sengo	M	6	2	S
Daremyelesh Lebarge	F	13	4	S
Dawit Debashu	M	8	3	S
Dawit Lemma	M	9	3	S
Dejene Gemechu	M	12	4	S
Derege Girma	M	3	1	S
Derege Kebede	M	7	2	S
Deressa Wodajo	M	39	14	F
Deribework Asrate	F	18	6	S
Efrem Amsalu	M	6	2	S
Elleni Fisseha	F	15	5	S
Elsa Almey	F	3	1	S
Elsabet Derege	F	5	2	S
Elsabet Shume	F	16	5	S
Emebet Wondimu	F	7	2	S
Endalkachew Tekle	M	9	3	S
Endalu Adadu	M	4	1	S
Endweich Werke	F	3	1	S
Ephrem Assefa	M	31	11	G
Eshetu Abebe	M	22	7	S
Eskale Ejigu	M	4	1	S
Eskedar Abraham	F	12	4	S

Etaferahu Birru	F	13	4	S
Etalem Abebe	F	5	2	S
Etemolye Menda	F	3	1	S
Eweal Getaneh	M	5	2	S
Eyob Sebsibe	M	28	10	G
Fanos Bogale	F	4	1	S
Fasika Endale	F	10	3	S
Fekadu Bedada	M	9	3	S
Fekadu Habte	M	5	2	S
Fekeret Demea	F	7	2	S
Felegush Siemeneh	F	6	2	S
Fikeremariam	F	8	3	S
Yitbarek				
Fikete Tegegne	F	9	3	S
Fikru Tesfaye	M	10	3	S
Frehiwot Tesfaye	F	7	2	S
Gemechis Bulti	M	16	5	S
Geremew Seraw	M	7	2	S
Getahun Tassew	M	1	0	S
Getinet Alemayehu	M	8	3	S
Getu Taye	M	5	2	S
Gezahegn Fekadu	M	17	6	S
Girma Tola	M	1	0	S
Gizenesh Girma	F	1	0	S
Habtamu Girmu	M	3	1	S
Hadas Welay	F	12	4	S
Haileyesus Tadesse	M	2	1	S
Haimanot Mideksa	F	9	3	S
Haimanot Sewaso	F	3	1	S
Hana Hailu	F	0	0	S
Hanna Mekonnen	F	25	8	G
Hanna Melese	F	7	2	S
Hanna Tefekefegne	F	18	6	S
Henok Hailu	M	12	4	S
Henok Mekonen	M	6	2	S
Henok WoldeMichael	M	7	2	S
Hewan Girma	F	1	0	S
Hirut Mammo	F	12	4	S
Hirut Tesfaye	F	7	2	S
Hiwot Ayalew	F	48	18	E
Hiwot Tadesse	F	23	8	G
Hiwot Tekle	F	10	3	S
Homa Mulisa	M	30	10	G
Jemanesh Melkasa	F	19	6	S
Jemila Siyar	F	2	1	S
Jerusalem Yitayew	F	9	3	S

Kasech Reta	F	13	4	S
Kassahun Mekonen	M	6	2	S
Kassahun Shewa	M	9	3	S
Kebede Gesges	M	7	2	S
Kedir Kassahun	M	28	10	G
Ketema Fekadu	M	9	3	S
Kidist Gemechu	F	3	1	S
Kidus Esayas	M	31	11	G
Lidya Amaha	F	14	5	S
Mahilet Tesfaye	F	3	1	S
Mahlet Yohannes	F	5	2	S
Marta Eshetu	F	3	1	S
Marta Gebre-Meskel	F	7	2	S
Marta Legesse	F	6	2	S
Marta Lulseged	F	3	1	S
Matewos Girma	M	14	5	S
Mehammed Adem	M	13	4	S
Mehiret Melkamu	F	11	4	S
Menbere Shiferaw	F	3	1	S
Mentesinot Wendimu	M	8	3	S
Menwar Ahmed	F	2	1	S
Merima Mohammed	F	8	3	S
Mesay Yetimgeta	M	18	6	S
Mesele Melaku	M	30	10	E
Meseret Hailemariam	F	5	2	S
Meseret Nigus	F	14	5	S
Meskerem Abebe	F	18	6	S
Meskerem Mitiku	F	3	1	S
Messeret Shiferaw	F	4	1	S
Micele Getachew	M	10	3	S
Michael Wolde	M	24	8	G
Mihirtab Zewdu	M	34	12	F
Million Demessie	M	2	1	S
Minweyelet Berhanu	M	3	1	S
Misrak Aklilu	F	8	3	S
Mohammed Seid	M	3	1	S
Muluken Manaye	M	6	2	S
Natnael Andarge	M	14	5	S
Nebiyu Fanta	M	31	11	G
Nuria Kassahun	F	5	2	S
Nuru Hussein	M	28	10	G
Ousman Nuru	M	17	6	S
Rahima Ibrahim	F	20	6	S
Robel Abera	M	23	8	G
Saba Shiferaw	F	2	1	S
Samson Aweke	M	0	0	S

Samuel Haile-Yesus	M	8	3	S
Seble Gemechu	F	6	2	S
Seble Taye	F	17	6	S
Seblewerk Amsalu	F	4	1	S
Seid Bedru	M	36	13	F
Selam Goshu	F	9	3	S
Selamawit Geresu	F	5	2	S
Selamawit Mossissa	F	22	7	S
Selamdengel Demsay	F	1	0	S
Selamnesh Sulu	F	4	1	S
Semera Muzmil	F	28	10	G
Semir Nesru	M	8	3	S
Semira Asfaw	F	7	2	S
Semira Shkur	F	8	3	S
Senait Hadgu	F	46	18	E
Senait Lutle	F	5	2	S
Serkalem Aweke	F	4	1	S
Shegitu Bulcha	F	0	0	S
Sinidu Abebe	F	18	6	S
Sintayehu Felege	M	14	5	S
Sintayehu Kebede	M	17	6	S
Sintayehu Tesfaye	M	6	2	S
Sirgut Yohannes	F	12	4	S
Sisay Debele	M	7	2	S
Sisay Sahle	M	17	6	S
Solomon Hailu	M	11	4	S
Tagel Mada	M	31	11	G
Tariku Benti	M	26	9	G
Tariku Kibret	M	8	3	S
Tedla Yeshitila	M	16	5	S
Tekalegn Tola	M	16	5	S
Tekalign Bezuneh	M	12	5	S
Temesgen Guade	M	22	7	S
Tesfa Kebede	M	10	3	S
Tewdady Abebe	M	0	0	S
Tewdros Getitnet	M	21	7	S
Tewdros Kassahun	M	10	3	S
Tewodros Shimelis	M	5	2	S
Tewodros	M	13	4	S
Wondimagenge				
Tigist Birru	F	4	4	S
Tigist Boke	F	11	4	S
Tigist Gashaw	F	11	4	S
Tigist Tesfaye	F	18	6	S
Tigist Tsegaw	F	1	0	S
Tilahun Damtew	M	11	4	S

Tsedale Bante	F	8	3	S
Tsedale Befekadu	F	3	1	S
Tsega Mulugeta	M	8	3	S
Tsige Bizuneh	F	6	2	S
Tsige GebreMedhin	F	4	1	S
Tsion Berga	F	15	5	S
Wakgira Lemma	M	5	1	S
Werknesh Teshome	F	4	1	S
Weyneshet Abebe	F	3	1	S
Weyneshet Ada	F	11	4	S
Weynishet Mulugeta	F	4	1	S
Woldu Mekonnen	M	1	0	S
Worku Agama	M	8	3	S
Yaltayework Deneke	F	11	4	S
Yenemelk Amare	M	19	6	S
Yenenesh Wakjira	F	3	1	S
Yergalem Mesfin	M	3	1	S
Yeshi Beyene	F	3	1	S
Yeterulek Aerga	F	3	2	S
Yigrem Zewdu	M	30	10	G
Yohannes Negussie	M	10	3	S
Yohannsha Takele	M	15	5	S
Yonas Bekele	M	6	2	S
Yosef GebreEgziabher	M	4	1	S
Zebiba Shikur	F	35	22	E
Zelalem Fenta	M	8	3	S
Zelalem Molla	M	13	4	S
Zemzem Mohammed	F	7	2	S
Zemzem Shefa	F	4	1	S
MEAN		10.480159		
MEDIAN		8		
MODE		3		
VARIANCE		85.035321		
STANDARD DEVIATION		9.2214598		

T-Tests 1.194E-06 1.12642E-05

Appendix 8 : Scores on the EPER Placement Test by Untreated Students

Scores on the EPER Placement Test by Untreated Students

Name	Sex	Score/141	Standard Score	Reading Level
Abeba Debebe	F	7	2	S
Abebaw Gizaw	M	9	3	S
Aberash Moges	F	14	5	S
Abey Getachew	M	10	3	S
Abi Gezahegn	M	6	2	S
Abraham Amha	M	24	8	G
Abraham Teferi	M	41	15	F
Adane Mammo	M	9	3	S
Adane Worku	M	13	4	S
Addis Agegnehu	M	11	4	S
Addisalem Assefa	F	16	5	S
AddisAlem Layke	F	12	4	S
Addisu Tena	F	25	8	G
Aedom Abera	F	16	5	S
Agardech Bashaw	F	7	2	S
Alem Asne	F	6	2	S
Alemayehu Amare	M	7	2	S
Alemtaye Tena	F	13	4	S
Alemu Mesfin	M	8	3	S
Almaz Getachew	F	8	3	S
Amaha Asmelash	M	15	5	S
Aman Muzeyen	M	36	13	F
Amsal Glana	F	6	2	S
Andualem Masresha	M	32	11	G
Ashanafi Getachew	M	12	4	S
Asresashe Teshome	F	13	4	S
Ayelech Tegegne	F	14	5	S
Azmera Takelezere	F	14	5	S
Bashehe Endale	M	16	5	S
Beiza Tesfaye	F	27	9	G
Belay Mulat	M	36	13	F
Belaynesh Ketema	F	21	7	S
Berhane Shewandagne	M	13	4	S
Berhanu Ayele	M	22	7	S
Beruk Fisseha	M	7	2	S
Besrat Mengistu	M	13	4	S
Bethlehem Kebede	F	21	7	S
Bethlehem Assefa	F	9	3	S
Bethlehem Fekadu	F	8	3	S

Bethlehem	F	16	5	S
GebreEgziabher				
Bethlehem Gidey	F	9	3	S
Bethlehem Teffera	F	9	3	S
Bethlehem X	F	16	5	S
Beza Legesse	F	9	3	S
Bezawit Seyoum	F	12	4	S
Biniyam Lakew	M	14	5	S
Biniyam Tekalign	M	12	4	S
Biniyam Tilahun	M	15	5	S
Biruk Tadesse	M	31	11	G
Bisevio Tefferi	F	45	17	F
Dagmawe Tsegaye	M	3	1	S
Dagmawi Teshome	M	31	11	G
Dagme Tebebu	M	20	6	S
Dagnachew Geremew	M	13	4	S
Daniel Tadesse	M	4	1	S
Daniel Tsegaye	M	6	2	S
Dejene Gemeda	M	10	3	S
Delil Hassen	M	12	4	S
Derege Hailu	M	26	9	G
Edget Beyene	M	26	9	G
Egegu Tizazu	M	5	2	S
Elsabet Debebe	F	15	5	S
Emebet X	F	2	1	S
Enane Muheye	F	2	1	S
Ermias Goshu	M	20	6	S
Esgnaye Tiruneh	F	7	2	S
Etagu GebreYohannes	F	18	6	S
Etenesh GebreMaraim	F	11	4	S
Eyerusalem Solomon	F	20	6	S
Fasika Ashebere	F	5	2	S
Faven Nigatu	F	16	5	S
Firehiwot Aregaw	F	7	2	S
Firehiwot Solomon	F	33	12	S
Fireweini Girum	F	7	2	S
Fisseha X	M	4	1	S
Fitsume X	F	4	1	S
Genet Ayele	F	9	3	S
Genet Bekele	F	9	3	S
Genet Hassun	F	38	14	F
Getachew	M	11	4	S
GebreMichael				
Girum Zegeye	M	3	1	S
Gizaw Berhanu	M	17	6	S
HaileMichael Gebru	M	40	15	F

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Hailu Mekonnen	M	15	5	S
Hailu Urgaecha	M	14	5	S
Haimanot Temesgen	F	2	1	S
Hana Negash	F	6	2	S
Hana Tafesse	F	9	3	S
Haregwein Aschenaki	F	9	3	S
Hashim Waba	M	12	4	S
Helen Kebera	F	10	3	S
Henok Belay	M	23	8	G
Henok Getachew	M	8	3	S
Hilina Terefe	F	10	3	S
Hiwot Tamene	F	18	6	S
Jemanesh Demissie	F	27	9	G
Kalikidan Solomon	F	22	7	S
Kebreab Endale	M	14	5	S
Khalid Amhedine	M	41	15	F
Kidane Alemu	M	11	4	S
Kidist Gudeta	F	17	6	S
KinefeMichael Tiruneh	M	29	10	G
Kinfe Asmamaw	M	19	6	S
KinfeMichael Tsegaye	M	26	9	G
KinfeMichael Yilma	M	27	9	G
Koinget X	F	24	8	G
Kokebe Kebede	F	9	3	S
Kumelachew Bogale	M	24	8	G
Lakech GebreMeskel	F	5	2	S
Ledate Zerihun	F	23	8	G
Legawork Yimer	F	12	4	S
Lehasab Damtew	M	15	5	S
Leyouwork Berhanu	F	19	6	S
Lina Tesfaye	F	5	2	S
Lishane Tadesse	F	3	1	S
Mahilet Workie	F	28	10	G
Mahlet Kebede	F	20	6	S
Mahlet Shiferaw	F	2	1	S
Mahlet Tekle	F	2	1	S
Mariamawit Taye	F	37	17	F
Marta Haile	F	9	3	S
Mekdes Sahle	F	0	0	S
Mekdes Tadesse	F	13	4	S
Mekdes Teshome	F	13	4	S
Melaku Nigussie	M	47	18	E
Melat Admassu	F	19	6	S
Meron Getachew	F	12	4	S
Meron Zerihun	F	35	13	F
Meskerem Jemaneh	F	7	2	S

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Meskerem Worku	F	7	2	S
Messeret Amaha	F	9	3	S
Mikial Ambatchew	M	14	5	S
Mikias Taye	M	43	16	F
Mila Tesfaye	M	9	3	S
Million Mergia	M	5	2	S
Muluken Tadesse	M	20	6	S
Muluwerk Yeshaw	F	18	6	S
Nebiyou Seyoum	M	22	7	S
Nebiyou Tafere	M	30	10	G
Nebiyu Merid	M	8	3	S
Negsti Tadesse	F	9	3	S
Nigist Addis	F	15	5	S
Rahel Wondimagen	F	14	5	S
Rebka Tegas	F	6	2	S
Robel Gidey	M	11	4	S
Roman Tegegn	F	2	1	S
Saba Mergia	F	16	5	S
Saba Solomon	F	6	2	S
Sadet Yemame	F	20	6	S
Samuel Tadesse	M	11	4	S
Seife Abebe	M	23	8	G
Selamawit Solomon	F	17	6	S
Selenay Bireuen	F	4	1	S
Seleshi Maloro	M	12	4	S
Seniesh X	F	2	1	S
Sennait Moges	F	15	5	S
Sennait Takele	F	8	3	S
Serawit Tiruneh	F	8	3	S
Shewangizaw Muleta	M	8	3	S
Shewarege Haile	F	3	1	S
Shimelis Tadesse	M	4	1	S
Siefu Kumele	M	8	3	S
Simret Abebe	F	14	5	S
Sintayehu Goshu	M	10	3	S
Sintayehu Nigusu	M	22	7	S
Sissay Berhanu	M	11	4	S
Surafel Zewdu	M	42	16	F
Tarik Eshetu	M	25	8	G
Tariku Amare	M	31	11	G
Tariku Balch	M	26	9	G
Taytu Workineh	F	34	12	F
Temesgen X	M	26	9	G
Tenaye Bekele	F	4	1	S
Tezeru Haile	F	22	7	S
Tibebu Tadese	M	12	4	S

Tigist Ababu	F	8	3	S
Tigist Getachew	F	18	6	S
Tigist Habte	F	2	1	S
Tigist Mammo	F	9	3	S
Tigist Mammo	F	11	4	S
Tirusew Bizuneh	M	15	5	S
Tizita Girma	F	5	2	S
Tsedale Tenkir	F	7	2	S
Tsefaye Girma	F	5	2	S
Tsion Habtu	F	36	13	F
Washiun Kebede	M	11	4	S
Wesenelesh Yemame	F	7	2	S
Weyneshet Lemma	F	10	3	S
Weynished Bekele	F	13	4	S
Wondwessen Mulat	M	11	4	S
Workineh Mammushet	M	4	1	S
Yared Wolde	M	32	11	G
Yednekachew	M	10	3	S
Solomon				
Yemisirach	F	15	5	S
TekleSelassie				
Yenesh Mekuria	F	8	3	S
Yergalem Alemu	M	6	2	S
Yeshak Kebede	M	20	6	S
Yeshi Degsew	F	17	6	S
Yonas Deres	M	17	6	S
Yonas Lulseged	M	3	1	S
Yoseph X	M	3	1	S
Zelalem X	M	59	24	E
Zelalem X	M	7	2	S
Zerihun Fekade	M	35	13	F
MEAN		15.102941		
MEDIAN		12		
MODE		9		
VARIANCE		109.65117		
STANDARD		10.471445		
DEVIATION				