

Baseline Report:
Your Child, Reading, and You
Œuvre Malienne d'Aide à l'Enfance du Sahel

Prepared by:
School-to-School International
For All Children Reading: A Grand Challenge for Development

August 2016



Table of Contents

| | |
|--|----|
| Table of Contents..... | 2 |
| I. Executive Summary | 3 |
| Key Findings | 4 |
| II. Project Description..... | 5 |
| III. EGRA Instrument Development..... | 7 |
| Validation process..... | 7 |
| Item Quality | 9 |
| Sample..... | 9 |
| IV. Assessor Training | 10 |
| Inter-rater Reliability (IRR) Test..... | 10 |
| Institutional Review Board for Human Participants (IRB)..... | 10 |
| Data Analysis | 11 |
| V. EGRA Baseline Findings | 12 |
| Orientation to Print | 13 |
| Initial Sound Identification..... | 14 |
| Letter-sound Knowledge..... | 15 |
| Non-word Reading..... | 16 |
| Oral Reading Fluency..... | 17 |
| Reading Comprehension..... | 18 |
| Listening Comprehension | 20 |
| Gender..... | 21 |
| Contextual Factors..... | 21 |
| VII. Recommendations | 22 |
| VIII. Annexes | 24 |
| Annex A. EGRA Adaptation Workshop Agenda and Attendees..... | 24 |
| Annex B. EGRA Assessor Training and Pre-Testing Agenda and Attendees | 27 |
| Assessor training attendees..... | 28 |
| Annex C. Item Statistics..... | 29 |
| Annex D. Results by Grade | 36 |
| Annex E. Results by Group & Grade and Group & Gender | 37 |
| Annex F. Baseline EGRA Instrument, French | 39 |

I. Executive Summary

Recognizing that literacy is fundamental to learning, skill acquisition, and success in primary school and beyond, education stakeholders are increasing their focus on the assessment of early grade reading skills and interventions that address reading difficulties. The Early Grade Reading Assessment (EGRA) is an instrument designed to measure foundational literacy skills, which are crucial to children's success in both reading and comprehension. The individual subtasks within the EGRA were designed based on extensive research that identified the most critical skills needed to read fluently and with comprehension. Namely, those skills are: phonological awareness (letter-sound awareness), alphabetic knowledge (non-words), vocabulary, fluency and comprehension.¹ The EGRA methodology was developed by EdData II, and has been applied in over 30 countries and 60 languages.² All Children Reading : A Grand Challenge for Development (ACR GCD), a partnership between the United States Agency for International Development (USAID), World Vision, and the Australian Government, has adopted the standard EGRA to systematically assess reading skills across all Round 2 grantees. The instrument is adapted according to each grantee's project context.

Œuvre Malienne d'Aide à l'Enfance du Sahel (OMAES) is one of two ACR GCD grantees in Mali. In collaboration with School-to-School International, OMAES conducted an EGRA baseline assessment for their project, Your Child, Reading, and You (YCRY). The project's goal is to improve early grade reading scores through an intervention involving the use of a technology provided in community libraries combined with literacy activities, parent engagement, and the development and provision of mother tongue reading materials including leveled print and electronic books and local-sourced stories. Beyond Access, an initiative of IREX with support from the Bill & Melinda Gates Foundation, is supporting the YCRY project to meet this goal. Treatment Group A will have access to print books in community libraries with trained youth librarians. Treatment Group B will include the same activities listed in Group A and also include access to electronic reading materials and activities via Stepping Stone, an app platform developed by Education Development Center, Inc. (EDC), on mobile phones and tablets. This report presents the results of the EGRA baseline data collection in 25 schools on 629 students in Grades 1-3 along with analysis and recommendations based on those findings.

¹ RTI International and International Rescue Committee. Guidance Notes for Planning and Implementing Early Grade Reading Assessments: 2011. <https://www.eddataglobal.org>.

² USAID EdData II. <https://www.eddataglobal.org/reading>.

Key Findings

- 1. Students did not demonstrate essential early reading skills.** Across all groups and grades, students did not adequately complete the pre-reading subtasks such as Orientation to Print, Initial Sound Identification, and Listening Comprehension. Almost no students are reading with fluency, and most students struggle to identify letters and sounds.

Table 1. Mean Scores for Pre-Reading and Timed Subtasks

| Task | N | Grade 1 | Grade 2 | Grade 3 | All Students | Zero scores (n) |
|--|-----|---------|---------|---------|--------------|-----------------|
| Orientation to Print | 629 | 1.1 | 2.5 | 3.1 | 1.7 | 139 |
| Initial Sound Identification | 610 | .04 | 2.9 | 3.4 | 2.2 | 253 |
| Letter-sound Knowledge (correct sounds read per minute) | 629 | 0.7 | 12.5 | 14.9 | 8.9 | 228 |
| Non-word Reading (correct non-words read per minute) | 629 | 1.1 | 3.9 | 6.6 | 3.6 | 445 |
| Oral Reading Fluency (ORF) (correct words read per minute) | 629 | 0.7 | 3.4 | 7.4 | 3.5 | 495 |
| Listening Comprehension (number of questions answered correctly) | 629 | 1.2 | 2.2 | 2.8 | 2.0 | 133 |

- 2. Overall, across all groups and grade levels, less than one percent of students assessed were able to read with fluency and comprehension.³**
- 3. Students lack the prerequisite skills for comprehension (phonemic awareness, decoding and understanding of the alphabetic principle).** As a result, fluency was low (3.5 correct words per minute on the Oral Reading Fluency (ORF) subtask) as was comprehension (92% of students tested scored zero on Reading

³ A student is identified as reading fluently with comprehension if they were able to read at least one word and answered at least four out of five comprehension questions correctly (to be asked this number of questions, the student would have had to read that far into the reading passage).

Comprehension questions, **meaning 92% of students could not answer a single question correctly.**) By subtask:

- **Decoding**, measured through the Non-word Reading subtask, revealed an average of 3.6 correct words per minute, with nearly **71% of the sample population scoring zero, meaning they could not correctly identify a single word in a minute.**
 - **Phonemic awareness**, measured through the Initial Sound Identification subtask, revealed a mean score of 2.5 out of 10 sounds correctly identified.
4. Understanding of the alphabetic principle, measured through the Letter-sound Knowledge subtask, revealed a mean score of 8.9 correct letters per minute. Approximately 36% of the sample population received a zero score⁴ on this subtask. Overall, boys and girls performed comparably on all tasks (differences in performance were not statistically significant in any group).

Overall, Treatment Group B, outperformed both Treatment Group A, and the Control Group on all subtasks. Since groups were randomly selected for Treatment A, B and Control, it is unclear why Treatment Group B performed better at the baseline. The endline analysis will account for these baseline differences.

II. Project Description

The purpose of the Your Child, Reading, and You (YCRY) project is to address the low reading scores and lack of essential pre-reading skills among Malian girls and boys in Grades 1-3 through the creation and production of community-developed reading materials accessible via community-managed libraries. Additionally, the project will use Stepping Stone,⁵ a low-cost mobile content delivery platform, to allow children and their family members to access books, instructional audio, and interactive reading activities through mobile devices. YCRY's key research questions are:

1. Will increased access to appropriate and engaging reading materials and training for families improve children's reading abilities?
2. Does the use of the technology—specifically the Stepping Stones platform—contribute to increased reading scores?
3. Have primary school students' reading readiness skills improved as a result of this intervention?

⁴ Zero Score signifies a student who is unable to respond correctly to a single item in a particular subtask.

⁵ More information about Stepping Stone can be found at: <http://sstone.edc.org>.

YCRY aims to enhance family and community engagement in children's reading. Participants in YCRY will have access to community libraries stocked with hard copies of materials which have been specifically developed in the Bamanankan language for beginning readers. Additionally, these libraries will offer training for the youth librarians and families to help improve children's reading skills. The libraries will also organize activities to engage families and community members and promote a reading culture, including writer's workshops to gather local stories for book development. The librarians will organize and lead all library activities. Project staff will make regular visits to communities to support, monitor, and reinforce project activities.

Stepping Stone serves as a platform to house and load illustrated children's books, activities, other literacy activities, and accompanying audio recordings onto mobile devices. Children and parents will be able to access these resources directly on tablets and mobile phones in libraries, and load content onto microSD cards for use on their personal mobile devices. Tablets with Stepping Stone content will be available at the libraries for families who do not have access to a compatible device.

To measure the impact of the use of Stepping Stone technology with loaded content on reading gains, the project is providing two kinds of treatment (a "dosage" model). Treatment Group B, called "family plus" will receive the "full dose", including full access to the community libraries, print books, community facilitators, and Stepping Stone via tablets and mobile phones. Treatment Group A, called "Famille seulement," "family only" will receive a "partial dose," including the same materials as Treatment Group A with the exception of Stepping Stone and the accompanying hardware. A Control group, also included in the design, will receive no interventions.

Each of the ten communities were randomly assigned to the either treatment group or the control group based on random selection. Baseline differences between groups were examined using two-way ANOVAs.⁶ Each community has one primary school within which children in Grades 1-3 were randomly selected, then tested with EGRA for the baseline. OMAES will monitor the same children for the life of the project and they will participate in the endline EGRA (panel design) comparison.

⁶ A two-way ANOVA tests for differences in the outcome (student scores on the task) between groups and categories within groups. For example, differences between treatment groups and gender were examined using the two-way ANOVA to determine whether the effect of treatment group was the same for both boys and girls.

III. EGRA Instrument Development

YCRY targets Bamanankan speakers in the Segou region of Mali. Although French is the national language, Bamanankan is the most widely spoken language in Mali with local partners estimating that 60 percent of the population speaks Bamanankan as either their first or second language. The EGRA instrument was adapted in Bamanankan for students in Grades 1-3 during a six-day instrument adaptation workshop led by School-to-School International (STS). ACR GCD grantee, Réseau d'Acteurs pour le Renouveau de l'Éducation (RARE), also participated in the workshop and used the same instrument. The final assessment tool included the following subtasks:

1. Orientation to Print
2. Initial Sound Identification
3. Letter-sound Knowledge
4. Non-word Reading
5. Oral Reading Fluency
6. Reading Comprehension
7. Listening Comprehension

The adaptation team chose these subtasks for several of reasons. First, to ensure that the “core” reading skills are captured across all ACR GCD projects, STS, in consultation with a literacy expert, determined that a minimum of four subtasks should be included across projects: Letter-sound Knowledge, Non-word Reading, Oral Reading Fluency, and Reading Comprehension. ACR GCD grantees are encouraged to include other EGRA subtasks as well, depending on the nature of their intervention. In the case of this EGRA, stakeholders including experts from the national pedagogical association, added Orientation to Print and Initial Sound Knowledge to measure key pre-reading skills and Listening Comprehension as a measure of vocabulary and comprehension.

In 2009, RTI International and the Centre de Promotion de la Citoyenneté pour le Développement Durable à la Base (CEPROCIDE) conducted an EGRA in Bamanankan, Bomu, Fulfde, and Songhoy among second grade students from 25 schools in Mali. From 2014-2015 RTI led an updated EGRA baseline for students who had completed second grade. However, since YCRY will be working with students in Grades 1-3, STS adapted the existing RTI EGRA specifically for these grades, including pre-reading subtasks.

Validation process

During the EGRA adaptation workshop, participants used the 2014-2015 EGRA tool developed by RTI as a basis for the new tool. The Orientation to Print subtask was added (excluded from previous EGRAs in Mali) while the Letter-sound Knowledge and Non-

word Reading subtasks were taken from the existing validated EGRA and retained for this EGRA, but re-randomized. Seventeen workshop participants from OMAES, RARE, Direction Nationale de la Pedagogique (DNP), EDC, Direction Nationale de L'Enseignement Normale (DNEN), Direction Nationale de L'Enseignement Fondamentale (DNEF), USAID, and World Vision participated in the adaptation and developed stories for the ORF, Reading Comprehension and Listening Comprehension subtasks. For a full list of participants, see Annex A. On the fifth day of the workshop, the group pre-tested the tools at a rural school outside of Bamako whose conditions resembled those in the sample population for OMAES's project.

The results from the pretest showed a high number of zero scores for all students on all subtasks except Listening Comprehension. In light of these results, the workshop participants, with the help of the experts from STS, RARE, OMAES and the Ministry of Education, took the following steps:

1. Simplified the language used in the instructions for each subtask.
2. Simplified the formulation of the Orientation to Print questions.
3. Re-organized the first line of the randomized items in the Letter-sound Reading and Non-word Reading subtasks to remove any two grapheme sounds and two syllable words, respectively.
4. Simplified the ORF stories by reducing the number of words from 60 to 50.
5. Simplified the ORF stories by replacing some words with shorter, more familiar words and shorter sentences.
6. Eliminated one ORF story that was too complex.
7. Rewrote Reading Comprehension stories to correspond with newly simplified stories.
8. Simplified the remaining original Reading Comprehension questions by replacing some words with shorter, more familiar words.

During the assessor training the following week, trainees piloted three versions of the new simplified tools. Zero scores decreased marginally from the original pretest results to the pilot, which contained a larger proportion of first graders compared to the pre-test sample population.⁷ Upon review of the data, final ORF and Listening Comprehension stories were selected and the EGRA received approval from the Ministry of Education.

⁷ The enumerator training included trainees for both the OMAES and RARE data collections. RARE's EGRA targeted only first grade, so their enumerators worked only with first grade students during the pilot. OMAES enumerators worked with students in grades one through three to mirror their target population in their intervention.

In addition to student reading assessments, a student questionnaire was developed and piloted during the assessor training for gathering data on contextual factors that may affect reading proficiency, such as availability of Bamanankan reading materials, and access to an adult at home who can read.

Item Quality

As presented in Annex C, overall EGRA reliability as measured by Cronbach alpha was acceptable at 0.742. Normally, a minimum Cronbach alpha score of 0.7 is considered an acceptable level of reliability on assessments such as EGRA, meaning that on average, the subtasks and items measure the same constructs consistently. Item discrimination was also acceptable, with item-test results above 0.05 at both the subtask level (e.g., ORF) and at the item level (e.g., one question within the ORF subtask), meaning that the items were able to distinguish between stronger and weaker learners (stronger learners should get correct answers on more difficult items and vice versa).

Sample

The students for this intervention were drawn from 25 schools in 15 villages. There are five villages per research group.⁸ A total of 629 students in Grades 1-3 participated in the EGRA baseline. The full sample was broken into three groups: Treatment Group A, Treatment Group B, and the Control Group. Table 2 shows the sample disaggregated by grade, gender and treatment.

Table 2: Total Number of Students by Treatment Group, Grade, and Gender

| Group | Grade 1 | | Grade 2 | | Grade 3 | | Total Girls | Total Boys | Total |
|-------------------|------------|------------|------------|------------|-----------|-----------|----------------|---------------|-------------|
| | Girls | Boys | Girls | Boys | Girls | Boys | | | |
| Treatment Group A | 53 | 53 | 44 | 40 | 31 | 32 | 128 | 125 | 253 |
| Treatment Group B | 36 | 47 | 49 | 42 | 39 | 37 | 124 | 126 | 250 |
| Control Group | 21 | 14 | 25 | 28 | 17 | 18 | 63 | 60 | 123 |
| Total | 110 | 114 | 118 | 110 | 87 | 87 | 315 | 311 | 626* |

**some students were missing their grade, group or gender identifier resulting in 626 complete cases*

⁸ The ACR GCD team, in consultation with in-country partners, determined that there was no appropriate local IRB process. To address this, OMAES provided the Ministry of Education with details about the research aspect of the project and obtained a letter of approval to proceed.

IV. Assessor Training

The EGRA Assessor Training took place from October 12-16, 2015. OMAES recruited the assessors and all candidates had previous survey experience and experience working with assessments, including ASER, a widely-used international literacy test to determine the reading level of early primary school students. Many candidates also previously served as EGRA assessors for other projects. The assessor candidates were trained to administer the Bamanankan EGRA both on paper and on tablets. During the training, assessor candidates:

- Reviewed EGRA principles and gained a comprehensive understanding of the EGRA instrument components;
- Practiced EGRA administration and scoring procedures;
- Practiced conducting the Bamanankan EGRA assessment on tablets and on paper as a precautionary alternative;
- Became familiar with the roles and responsibilities of both supervisors and assessors;
- Participated in Inter-rater Reliability (IRR) test administration and scoring.

The training included a variety of simulation methods and a half-day practicing data collection with students in rural schools near Bamako.

Inter-rater Reliability (IRR) Test

As part of their training, IRR tests were conducted to calculate the consistency of assessors' rating of children's performance in simulated exercises (high consistency in rating is a priority; 90% consistency is considered the gold standard, meaning that 90% of assessors' ratings are consistent both with the list of acceptable responses and with one another). During IRR testing sessions on the final day of training, two candidates were unable to meet this threshold and did not participate in data collection.

Institutional Review Board for Human Participants (IRB)

The IRB is responsible for ascertaining the acceptability of proposed research in terms of institutional commitments and regulations, applicable laws, standards of professional conduct and practice, and ethical and societal norms. The IRB examines subject recruitment procedures, proposed remuneration, and the informed consent process. The Board also evaluates the potential risks and benefits to participants outlined in each protocol.

During project start-up, the adaptation team determined that there was not an appropriate local IRB process. To handle this OMAES provided the Ministry of Education

with details about the research aspect of the project and obtained a letter of approval to proceed.

Data Analysis

The data were analyzed using STATA, which resulted in graphs and frequency tables. The final analytical sample consisted of 629 students. Differences between control and treatment groups were tested for significance; where found, these differences are noted in the results. Mean scores on each subtask were compared using ANOVA⁹ and differences in the proportion of zero-score students (or non-readers) was compared using the chi-square test for significance. No students were excluded from the analyses as a result of decision rules applied to exclude outliers.

A description of each subtask is provided in Table 3.

Table 3. EGRA Subtask Names and Data Analysis Method

| Subtask | Type | Analysis |
|-------------------------------------|-------------|--|
| Orientation to Print | Untimed | Measured as number of questions a student can correctly answer regarding text direction, the concept of a word, or basic knowledge of printed material. There are six questions in this subtask. |
| Initial Sound Identification | Untimed | Measured as number of correct initial sounds identified out of 10 questions. Each student had the opportunity to identify 10 beginning phoneme that is different from two others in a series of words. |
| Letter-sound Knowledge | Timed | Measured as correct letter-sounds read in one minute. Letter-sound Knowledge is a measure of alphabet knowledge. Each student had the opportunity to read up to 100 upper and lower case letters. |
| Non-word Reading | Timed | Measured as correct “non-words” read in one minute. Non-word Reading measures decoding. Each student had the opportunity to read up to 50 one and two syllable “non-words.” |
| Oral Reading Fluency | Timed | Measured as correct words read in one minute. ORF is a decoding and reading fluency measure. Each student had the opportunity to read 50 words. The ORF passage |

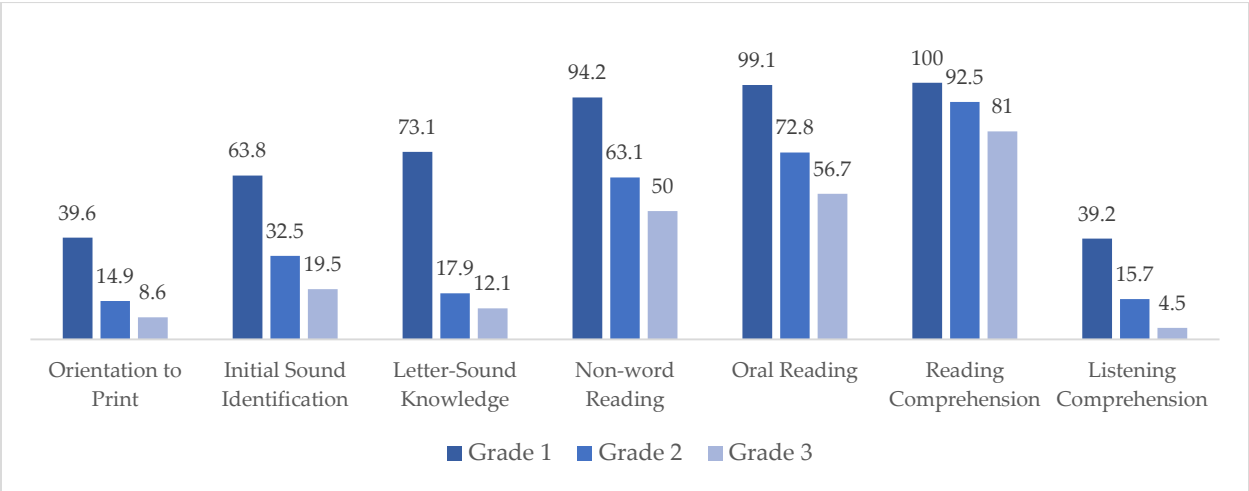
⁹ ANOVA stands for Analysis of Variance. It is a statistical model that is used to analyze the differences between group means, which helps identify differences in the sample that can be generalized to the population.

| | | |
|--------------------------------|---------|--|
| | | formed the textual basis for the Reading Comprehension subtask. |
| Reading Comprehension | Untimed | Measured as number of correct answers verbally delivered to the assessor based on questions asked about the passage read as part of the ORF subtask. Each student had the opportunity to answer five questions. |
| Listening Comprehension | Untimed | Measured as number of correct answers verbally delivered to the assessor. Listening Comprehension is a measure of vocabulary. Each student had the opportunity to answer five questions based on a passage read to them by the assessor. |

V. EGRA Baseline Findings¹⁰

This section presents EGRA findings by subtask. This EGRA included seven subtasks. Three of these were timed subtasks: Letter-sound Knowledge, Non-word Reading, and Oral Reading Fluency. The timed subtasks measure what a child is able to do in one minute. For example, reading fluency combines how many words the student can read in one minute (ORF), and the percent correct (accuracy). Timing these subtasks is important because children’s fluency, or speed needed to accomplish these tasks, helps us understand how well children will be able to acquire higher level reading skills, especially comprehension. The Reading Comprehension, Listening Comprehension, Initial Sound Identification, and Orientation to Print subtasks are untimed.

Figure 1. Proportion of Zero-Scores by Subtask by Grade



¹⁰ Results in the body of this report are presented at the treatment and grade level. Additional descriptive tables of results by subgroup (grade and gender) are presented in Annexes F and G.

Overall, Treatment Group B scored higher than Treatment Group A or the Control Group. Again, when analyzing results at endline, differences at baseline will be adjusted using ANOVA to facilitate comparisons between groups. For the purposes of this report, results at the subtask level highlight to OMAES the areas students need the greatest assistance. Although students in Treatment Group B scored higher, they still do not demonstrate a skill level necessary to read with comprehension. Students did demonstrate greater literacy skills as they progressed from Grade 1 to Grade 3 in learning with less zero scores as they children advanced in school.

Orientation to Print

Orientation to Print measures students’ knowledge of how words are organized on a page, the direction of print (e.g., left to right), and how print materials are organized (e.g. title of a story). In this subtask, students are presented with a short passage and are asked to demonstrate understanding of how words on a page are organized and read (e.g., Which is the first word of the text? Which is the last word? Where do you start reading? Which direction do you read?) Students indicated their response to the six items by pointing to the correct part of the page or indicated the correct direction of reading.

Table 3: Orientation to Print by Group

| Group | N | Mean | SD | Zero Scores |
|-------------------|------------|------------|------------|-------------|
| Treatment Group A | 250 | 1.8 | 1.6 | 70 |
| Treatment Group B | 250 | 2.8* | 1.7 | 34 |
| Control Group | 126 | 1.9 | 1.7 | 35 |
| All | 626 | 2.2 | 1.7 | 139 |

** Indicates that the performance of this group was significantly different from all other groups.*

On average, students answered 2.2 out of 6 questions correct. **Nearly 22 percent of all students assessed received a zero on this subtask**, and only 15 percent of students were able to answer five or six questions correctly.

Table 4: Orientation to Print by Grade

| Grade | N | Mean | SD | Zero Scores |
|------------|------------|------------|------------|-------------|
| Grade 1 | 227 | 1.1* | 1.3 | 90 |
| Grade 2 | 228 | 2.5* | 1.7 | 34 |
| Grade 3 | 174 | 3.1* | 1.6 | 15 |
| All | 629 | 2.2 | 1.7 | 139 |

** Indicates that the performance of this group was significantly different from all other groups.*

By group, students in Treatment Group B had significantly higher scores than students in Treatment Group A and Control Group students. Treatment Group B students answered approximately 50 percent of the questions correctly. Treatment Group A and the Control Group answered approximately 30 percent correctly (Table 3); in other words, their performance on this task was comparable. By grade, the Grade 3 students outperformed their Grade 2 and 1 peers (Table 4, above).

Initial Sound Identification

The Initial Sound Identification subtask is an untimed subtask where the enumerator reads a word to the student and asks the student to identify the initial sound in that word (e.g., What is the first sound in the word “dog”? /d/). This test measures the student’s phonemic awareness, or ability to identify the smallest unit of sound in a word (a phoneme). Phonemic awareness is a foundational skill upon which students build their ability to link sounds to letters and, in time, to decode words.

Table 5: Initial Sound Identification by Group

| Group | N | Mean | SD | Zero Scores |
|-------------------|------------|------------|------------|-------------|
| Treatment Group A | 241 | 1.2* | 2.2 | 126 |
| Treatment Group B | 246 | 3.3* | 3.8 | 73 |
| Control Group | 123 | 1.9* | 2.9 | 54 |
| All | 610 | 2.2 | 3.2 | 253 |

** Indicates that the performance of this group was significantly different from all other groups.*

On average, students were only able to identify 2.2 of the 10 sounds correctly. Students in Treatment Group B identified just over three initial sounds on average, marginally outperforming students in Treatment Group A with just over one correct initial sound, and the Control Group with two correct initial sounds. The Control Group

significantly outperformed students in Treatment Group A. **Results from Grades 2 and 3 demonstrated that students are learning how to identify letter sounds as they progress in school** (see Table 6). Across all groups and grades, two out of five students scored zero on this subtask. These results highlight that the students have an insufficient understanding of the linkage between letters and sounds in Bamanankan and suggest that they will struggle to connect letters to sounds even as they enter Grade 3.

Table 6: Initial Sound Identification by Grade

| Grade | N | Mean | SD | Zero Scores |
|------------|------------|------------|------------|-------------|
| Grade 1 | 227 | 0.4* | 0.8 | 145 |
| Grade 2 | 228 | 2.9 | 3.5 | 74 |
| Grade 3 | 174 | 3.4 | 3.7 | 34 |
| All | 629 | 2.2 | 3.2 | 253 |

** Indicates that the performance of this group was significantly different from all other groups.*

Letter-sound Knowledge

The Letter-sound Knowledge subtask measures students’ understanding of the alphabetic principle—the sounds that correspond to letters. Once a reader understands this pattern, they can see a letter and produce its corresponding sound, which over time they will combine into syllables, then words. This is part of the encoding and decoding process. For this subtask, students were presented with 100 letters, including both upper and lower case, and asked to say the sound of each letter. They had one minute to read as many letters as possible.

Table 7: Letter-Sound Fluency by Treatment Group

| Group | N | Mean (CLPM) | SD | Zero scores |
|-------------------|------------|-------------|-------------|-------------|
| Treatment Group A | 253 | 4.4* | 7.6 | 130 |
| Treatment Group B | 250 | 13.3* | 13.5 | 67 |
| Control Group | 126 | 9.6* | 9.4 | 31 |
| All | 629 | 8.9 | 11.3 | 228 |

** Indicates that the performance of this group was significantly different from all other groups.*

On average, students across all grades and groups were able to read about nine out of 100 letters correctly in one minute. 36 percent of all students were unable to correctly identify a single letter-sound and thus received a zero score for this subtask. Zero scores were numerous in all groups. Treatment Group A had the lowest average, with about

half the students receiving zero score. About a quarter of students in Treatment Group B and the control group received zero scores. Table 7 displays the means, standard deviations, and zero scores for correct letters per minute (CLPM) for each group. By grade, students in Grade 1 were unable to read a single letter while students in Grade 2 were reading about 12 letters per minute and Grade 3 students almost 15 letters (Table 8). There is a gain from of about 12 letters from Grade 1 to Grade 2, but a gain of only 3 letters were learned by Grade 3. It is unclear why Grade 3 students did not demonstrate greater gains. These results show that regardless of the group, **most students in Grade 1 lack understanding of the relationship between letters and sounds. Grade 2 and 3 students need to significantly improve their letter reading to be able to recognize or decode words which will ultimately result in reading with comprehension.**¹¹

Table 8: Letter-sound Knowledge Fluency by Grade

| Grade | N | Mean (CLPM)** | SD | Zero scores |
|------------|------------|---------------|-------------|-------------|
| Grade 1 | 227 | 0.7* | 2.2 | 166 |
| Grade 2 | 228 | 12.5* | 11.2 | 41 |
| Grade 3 | 174 | 14.9* | 12.4 | 21 |
| All | 629 | 8.9 | 11.3 | 228 |

* Indicates that the performance of this group was significantly different from all other groups.

**Correct letters per minute (CLPM)

Non-word Reading

Non-word Reading measures decoding ability by requiring students to read invented words that follow the language structure, but have no meaning (e.g., in English, “tork” would be a non-word). Using non-words instead of real words enables analysts to measure students’ ability to “sound out” words based on rules of letters and sounds in their language without doing it from memory, as they can with familiar words. For this subtask, students were presented with 50 one- and two-syllable non-words and asked to read as many as possible within one minute. As Table 9 shows, **more than half of the children in each group received zero scores.**

Table 9: Non-word Fluency by Treatment Group

| Group | N | Mean (CNWPM)** | SD | Zero scores |
|-------------------|-----|----------------|------|-------------|
| Treatment Group A | 253 | 2.0 | 11.4 | 213 |
| Treatment Group B | 250 | 6.3* | 8.7 | 133 |
| Control Group | 126 | 1.5 | 3.5 | 99 |

11 For the sake of comparison, in the United States students who are reading less than 40 CLPM at the end of Kindergarten are considered “at-risk.” The best performing group in this assessment, on average, read less than half of what would qualify as “at-risk” in the U.S. From EGRA FAQs. RTI International. October 2011. <https://www.eddataglobal.org/reading/>.

| | | | | |
|------------|------------|------------|------------|------------|
| All | 629 | 3.6 | 9.4 | 445 |
|------------|------------|------------|------------|------------|

* Indicates that the performance of this group was significantly different from all other groups.

**Correct no-words per minute (CNWPM)

Grade 3 students outperformed their Grade 2 and 1 peers (Table 10), as expected. The scores improve as the students advance through school, but the results by grade indicate that **even students in Grade 3 have an insufficient foundation of the critical decoding skills that would enable them to begin reading words and sentences fluently and with comprehension.**

Table 10: Non-word Reading Fluency by Grade

| Grade | N | Mean (CNWPM) | SD | Zero scores |
|------------|------------|--------------|------------|-------------|
| Grade 1 | 227 | 1.1* | 11.6 | 214 |
| Grade 2 | 228 | 3.9* | 6.5 | 144 |
| Grade 3 | 174 | 6.6* | 8.7 | 87 |
| All | 629 | 3.6 | 9.4 | 445 |

* Indicates that the performance of this group was significantly different from all other groups.

Oral Reading Fluency

Fluency is the ability to read with speed, accuracy, and proper expression. To comprehend text, students must be able to read the passage with a certain degree of speed, which varies by language.¹² In the ORF subtask, students attempt to read a story of 50 words aloud within one minute. This subtask provides a measure of a child’s reading speed as well as their ability to read “connected text,” or text in a series, like sentences or stories, as opposed to individual letters or words.

Again, students’ abilities in this subtask were low, with rates of correct words per minute (CWPM) by group between one and seven on average. **Seventy-nine percent of students were unable to read a single word of connected text, as indicated by the high rates of zero scores.** These results show that fluency rates are below where they need to be to read with comprehension. Table 11 shows mean scores by Treatment Group. By grade, 99 percent of Grade 1 students were unable to read a single word correctly. Grade 2 students were able to read on average three words per minute and Grade 3 students read seven words per minute (Table 12).

¹² The number of words a child can read per minute is a strong predictor of reading comprehension. However, no universal standard exists for the correct words per minute (CWPM) a child should be able to read in one minute. This is because languages vary in structure, complexity, and transparency and thus are not comparable. Some reviews of CWPM have found that in most languages, children need to be able to read approximately 45 words per minute to comprehend what they are reading (Abadzi, Helen. Efficient Learning for the Poor. Washington, DC: World Bank, 2006. Print.). CWPM standards have not been standardized for Bamanankan so this figure should be interpreted with caution.

Table 11: ORF by Treatment Group

| Group | N | Mean (CWPM) | SD | Zero scores |
|-------------------|------------|-------------|------------|-------------|
| Treatment Group A | 253 | 1.5 | 9.9 | 228 |
| Treatment Group B | 250 | 6.9* | 11.1 | 159 |
| Control Group | 126 | 1.1 | 3.1 | 108 |
| All | 629 | 3.5 | 9.9 | 495 |

* Indicates that the performance of this group was significantly different from all other groups.

Table 12: ORF by Grade

| Grade | N | Mean (CWPM) | SD | Zero scores |
|------------|------------|-------------|------------|-------------|
| Grade 1 | 227 | 0.7* | 10.0 | 225 |
| Grade 2 | 228 | 3.4* | 7.2 | 166 |
| Grade 3 | 174 | 7.4* | 11.4 | 104 |
| All | 629 | 3.5 | 9.9 | 495 |

* Indicates that the performance of this group was significantly different from all other groups.

Reading Comprehension

The Reading Comprehension subtask measures a child's ability to understand the meaning of a text. For this EGRA subtask, after students finished reading the text discussed above, the text was removed and students were asked five comprehension questions based on the text. Students were only asked questions pertaining to the part of the text they read. For example, if they only read one to two sentences, they were only asked the first question; only students who read the entire story were asked all five questions.

Table 13: Reading Comprehensions Questions Correct by Treatment Group

| Group | Number of Questions Correct | Number of Students |
|-----------|-----------------------------|--------------------|
| Treatment | 0 | 246 |
| Group A | 1 | 7 |
| | 2 | 0 |
| | 3 | 0 |
| | 4 | 0 |
| | 5 | 0 |
| | Total | 253 |
| Treatment | 0 | 208 |
| Group B | 1 | 25 |

| | | |
|---------|-------|-----|
| | 2 | 12 |
| | 3 | 3 |
| | 4 | 2 |
| | 5 | 0 |
| | Total | 250 |
| Control | 0 | 125 |
| Group | 1 | 1 |
| | 2 | 0 |
| | 3 | 0 |
| | 4 | 0 |
| | 5 | 0 |
| | Total | 126 |

Ninety-two percent of students were unable to read a single word of text and therefore scored zero on the comprehension subtask. Seven students in Treatment Group A and one in the Control Group answered one question correctly; no students in these groups answered any of the other questions correctly. Two students in Treatment Group B answered four questions correctly. Reading specialists have determined that a comprehension level of 80 percent is the minimum for adequate comprehension of a text. In this sample, only two of 629 students met that requirement, or less than one percent. Table 13 (above) shows the breakdown of scores by treatment group. Table 14 shows the scores by grade. (See Annex F for more results by group and grade.)

Table 14: Reading Comprehensions Questions Correct by Grade

| Grade | Number of Questions Correct | Number of Students |
|---------|-----------------------------|--------------------|
| Grade 1 | 0 | 227 |
| | 1 | 0 |
| | 2 | 0 |
| | 3 | 0 |
| | 4 | 0 |
| | 5 | 0 |
| | Total | 227 |
| Grade 2 | 0 | 211 |
| | 1 | 14 |
| | 2 | 1 |
| | 3 | 1 |
| | 4 | 1 |
| | 5 | 0 |
| | Total | 228 |
| Grade 3 | 0 | 141 |
| | 1 | 19 |
| | 2 | 11 |
| | 3 | 2 |
| | 4 | 1 |

| | |
|-------|-----|
| 5 | 0 |
| Total | 174 |

Listening Comprehension

Listening comprehension was the final subtask conducted with the students EGRA. This subtask assessed students' abilities to comprehend the meaning of a story read to them orally. In this subtask, the assessor reads a short passage to the student, then asks them to answer five comprehension questions about what they heard. Listening comprehension is an important measure of students' pre-reading abilities (they do not need to know how to read to answer the comprehension questions) because it helps detect obstacles to learning to read such as limited language proficiency, auditory problems, attention deficit and other difficulties.

Table 15: Listening Comprehension Questions Correct

| Number of Questions Correct | N | Percentage of Sample |
|-----------------------------|------------|----------------------|
| 0 | 133 | 21.10 |
| 1 | 116 | 18.40 |
| 2 | 134 | 21.30 |
| 3 | 127 | 20.20 |
| 4 | 95 | 15.10 |
| 5 | 24 | 3.80 |
| Total | 629 | 100.00 |

Of all the subtasks in this EGRA, students scored the highest overall on this subtask, **79 percent answered at least one Listening Comprehension question** (hence, only one in five received a zero score). Non-zero score students were able to answer two out of the five questions correctly on average, which suggests that most students have only a moderate, but insufficient ability to understand text read to them in a familiar language (Bamanankan). Nevertheless, because this is a pre-reading task, children in Grade 2 should be able to understand an oral story in a familiar language and answer comprehension questions correctly. Therefore, even this relatively high score suggests a **weak foundation in student's ability to process information in Bamanankan**, which is potentially a significant impediment for many as they attempt to learn to read. This will be analyzed in more detail in the endline report.

Across all groups, Table 15 shows, **only about four percent of children were able to answer all five questions** (note that the fifth question was an inferential one in which the answer could not be found directly in the story, but had to be determined using both evidence from the story and reasoning). Table 16 and 17 show the listening

comprehension mean scores by group and grade respectively. Treatment group B has a statistically different mean score from Treatment Group A and the control group. Table 17 highlights that students are increasing their listening comprehension skills as they move up through the grades.

Table 16: Listening Comprehension Questions by Group

| Group | N | Mean | SD | Zero scores |
|-------------------|------------|------------|------------|-------------|
| Treatment Group A | 253 | 1.7 | 1.4 | 75 |
| Treatment Group B | 250 | 2.4* | 11.5 | 37 |
| Control Group | 126 | 1.9 | 1.3 | 21 |
| All | 629 | 2.0 | 1.5 | 133 |

Table 17: Listening Comprehension by Grade

| Grade | N | Mean | SD | Zero scores |
|------------|------------|------------|------------|-------------|
| Grade 1 | 227 | 1.2* | 1.2 | 89 |
| Grade 2 | 228 | 2.2* | 1.5 | 36 |
| Grade 3 | 174 | 2.8* | 1.3 | 8 |
| All | 629 | 2.0 | 1.5 | 133 |

Gender

As Table 18 shows, girls' and boys' performance on the EGRA baseline subtasks were virtually the same. Girls and boys performed comparably on all tasks.

Table 18: Performance on Subtask by Gender

| Subtask | Male | | | Female | | |
|------------------------------|------|------|------|--------|------|------|
| | N | Mean | SD | N | Mean | SD |
| Orientation to Print | 314 | 2.2 | 1.7 | 315 | 2.2 | 1.8 |
| Initial Sound Identification | 314 | 2.0 | 3.1 | 315 | 2.3 | 3.2 |
| Letter-sound Knowledge | 314 | 8.4 | 11.1 | 315 | 9.5 | 11.5 |
| Non-word Reading | 314 | 3.6 | 11.1 | 315 | 3.7 | 7.4 |
| Oral Reading Fluency | 314 | 3.8 | 12.0 | 315 | 3.2 | 7.3 |
| Reading Comprehension | 314 | 0.1 | 0.5 | 315 | 0.1 | 0.4 |
| Listening Comprehension | 314 | 1.9 | 1.4 | 315 | 2.1 | 1.6 |

Contextual Factors

To better understand the student population participating in the study, the team conducted a demographic survey including background information regarding (1) the types of reading materials available to students, and (2) who else reads in the students'

homes. These contextual factors help inform EGRA results and enable better understanding of the sample population.

Reading materials: Of the 629 students who responded to the survey, 133 (21 percent) reported that they had books at school. Among the remaining students, 494 (78 percent) said they did not have books at school and two students did not know if they had books at school. When asked about newspapers, journals, and other print materials, the majority of students (85 percent) did not know if they had these types of materials at school. (Table 19.)

Table 19: Percentage of Students Who Report Available Reading Materials at School by Type

| Type of Reading Material | Accessible at School? | N | Percentage of Sample |
|-------------------------------|-----------------------|------------|----------------------|
| Books | Yes | 133 | 21.1 |
| | No | 494 | 78.5 |
| | Do not know | 2 | 0.3 |
| Total | | 629 | 100.0 |
| Newspapers or other Materials | Yes | 48 | 7.6 |
| | No | 49 | 7.8 |
| | Do not know | 532 | 84.6 |
| Total | | 629 | 100.0 |

Reading support: When asked if anyone in the home knew how to read, besides themselves, 511 of 629 respondents (81 percent) said “yes” someone in their home knew how to read. The survey then offered a follow-up question asking who knew how to read. The most common response was brothers and sisters, with 450 respondents (nearly 72 percent) saying their siblings could read. One hundred and forty-six students (23 percent) reported their father knew how to read and 110 students (17 percent) reported their mother knew how to read.

These findings suggest that access to reading materials and the diversity therein are limited for students at the school. In the home, siblings make up the largest segment of readers, followed by parents.

VII. Recommendations

The results of the baseline EGRA show that children in all three groups overwhelmingly lack the foundational skills needed to read with comprehension. STS proposes the following design recommendations for YCRY to improve foundational skills for reading fluency and comprehension:

1. **Reinforce foundational reading skills.** In the library materials and activities, focus on ways to build children's skills in understanding how print works (orientation to print), letter-sounds, decoding (word decoding skills), and reading comprehension.
2. **Devote significant time to the development of oral comprehension skills,** including storytelling, question and answer (both during and after stories), acting out stories, and having children and family members create their own stories.
3. **Provide ongoing literacy skill support for librarians who are conducting family/community engagement activities/workshops.** Assuming that not all volunteer librarians have experience teaching or teaching literacy, and probably have not been trained as teachers, ensure that they receive ongoing training on techniques for building build pre- and early-reading skills.
4. **Ensure field agents have a variety of strategies for family/community engagement for literacy building.** Given the low levels of reading performance at baseline as well as the responses on the student survey, home environments are only providing modest support for literacy development. To that end, the YCRY design should target activities that incentivize and strengthen home- and community-based literacy activities so that all interested individuals can find a role they are comfortable playing in the literacy process. This may include leveraging older siblings in addition to parents/guardians as reading supporters. Youth in the community should also be encouraged to support community-based reading activities.

VIII. Annexes

Annex A. EGRA Adaptation Workshop Agenda and Attendees

Agenda

| | Lundi 5 octobre | Mardi 6 octobre | Mercredi 7 octobre | Jeudi 8 octobre | Vendredi 9 octobre | Samedi 10 octobre |
|------------------|--|--|---|-----------------|--|--|
| 9h00 9h30 | Ouverture - Introduction générale du Projet ACR GCD/ OMAES/ RARE | Révision des contenus EGRA 2h15 (lecture, analyse, ajustements, traduction) Rédaction des textes pour la compréhension (travail par ateliers) | Simulations: « Introduction » | Pilote | Présentation des résultats et des outils (textes ...) | Révision des textes et autres sous-tests de EGRA |
| 9h30 10h00 | Présentation d'EGRA 1/ l'histoire 2/ dans le monde - STS (Mark) | | Sous-test 1 « orientation à la lecture » | | | |
| 10h00 10h30 | Présentation des habiletés nécessaires à la lecture habile - STS (Mary) | | Sous-test 2 « identification du son initial » | | | |
| 10h30 10h45 | PAUSE | | | | | |
| 10h45 11h15 | Suite – Présentation des sous-tests EGRA – STS (Mary) | Suite et fin | Sous-test 3 « connaissance des graphèmes » | Pilote | Lecture des supports pour le suivi « qualité » sur le terrain : Fiche de contrôle « point focal » Fiche d'observation « point focal » Fiche erreurs récurrentes et procédures | IDEM |
| 11h15 – 12h00 | Présentation de la structure du test - STS (Mary et Claire) | Révision des consignes EGRA 1h30 | Sous-test: 4 « lecture de mots inventés » | | | |
| 12h00 13h00 | Révision des « informations d'introduction » et du « questionnaire » - STS | | Sous-test 5/6 « compréhension du texte lu » | | | |

| | | | | | | |
|----------------|---|---|--|--|---|------|
| | (Mary et Claire) | | | | « aide mémoire » | |
| 13h00 14h00 | DEJEUNER | | | | | |
| 14h00 15h30 | Introduction (ACR, RARE, OMAES, USAID, STS, WV, MoE) Résumés des projets | Présentation de Tangerine 30 mn | Sous-test 7 « compréhension à l'audition » | Ajustement des activités : Révisions des supports Recueil des commentaires sur les textes | Préparation des matériels pour la formation | IDEM |
| | | Initiation à Tangerine 2h15 | « Questionnaire » | | | |
| | | | Questions de clarification/ mise en garde | | | |
| 15h30 15h45 | PAUSE | | | | | |
| 15h45 17h00 | Suite et fin | Initiation à Tangerine (fin) | Simulation du test intégral | Suite et fin | Suite et fin | IDEM |
| | | | Préparation matérielle pour le pilote (supports à vérifier et école à confirmer) | | | |
| | | Réviser (Budget et Work Plan) avec RARE | Réviser (Budget et Work Plan) avec OMAES | | | |

Adaptation workshop attendees

ADAPTATION DES OUTILS EGRA

Liste des participants

| | |
|------------------------------|-----------|
| Mohamad Elmoctar | RARE |
| Moussa Konaté | DNP |
| Lamine Dembelé | DNP |
| Thelma Khelghati (Ouverture) | EDC |
| Kourakoro Bagayoro | DNP |
| Aliou Tall (ouverture) | USAID |
| Chance Briggs (ouverture) | WV |
| Massanan Sinaba | OMAES |
| Ibrahima Traore | DNEN |
| Amos Dembele | WV |
| Théodore Nseka Vita | OMAES |
| Youssouf Sidibe | DNEF |
| Mamadou Niakate | Linguiste |
| Bréhima Traore | DNEN |
| Youssouf M. Haïdara | RARE |
| Moussadian Coulibaly | RARE |
| Eli Thera | OMAES |

Annex B. EGRA Assessor Training and Pre-Testing Agenda and Attendees

Agenda

| | Lundi 12 octobre | Mardi 13 octobre | Mercredi 14 octobre | Jeudi 15 octobre | Vendredi 16 octobre |
|---------------|---|-----------------------------------|---|-----------------------|-----------------------|
| 9h00 – 9h30 | Ouverture - Introduction générale du Projet OMAES/ RARE | Graphèmes (Almou/ MC) | Compréhension à l'écrit T1 (Almou/ MC) | Pilote | Fiabilité Remédiation |
| 9h30 – 10h00 | Présentation des habiletés nécessaires à la lecture habile et EGRA - STS (Mary) | | Compréhension à l'écrit T2 (Moussadian/ MC) | | |
| 10h00 – 10h30 | Présentation de la structure du test - STS (Mary et Claire) | | | | |
| 10h30 – 10h45 | PAUSE | | | | |
| 10h45 – 12h00 | Présentation de Tangerine (Claire) | Mots inventés (Almou/ MC) | Suite | Pilote | Suite |
| 12h00 – 13h00 | Consentement (Ibrahim/ MC) | Revue de Tangerine pour le pilote | Compréhension à l'écrit T3 (Eli/ MC) | | |
| 12h00 – 13h00 | | | Compréhension à l'écrit T4 (Ibrahim/ MC) | | |
| 13h00 – 14h00 | DEJEUNER | | | | |
| 14h00 – 15h00 | Orientation à la lecture (Moussadian/ MC) | Pilote | Compréhension à l'oral T1 (Moussadian/ MC) | Debriefing, feed back | Logistique |
| | | | Compréhension à l'oral T2 (Eli/MC) | | |
| | | | Testing intégral (Almou/ MC) | | |
| 15h00 – 15h15 | PAUSE | | | | |
| 15h15 – 16h15 | Son initial (Eli. MC) | Pilote | Testing intégral | Suite et fin | Supervision |
| 16h15 – 17h00 | | | | | |

Assessor training attendees

FORMATION DES ENQUETEURS EGRA

Liste de participants

| N° | Prénom | Nom | Structure |
|----|--------------------|-----------|--------------------|
| 1 | Almougairata H | Maiga | RARE |
| 2 | Oumar | Dabo | Consultant RARE |
| 3 | Mme Théra Kadiatou | Traoré | RARE |
| 4 | Bakary | Doucouré | OMAES |
| 5 | Ismaila | Nabé | Consultant RARE |
| 6 | Abdoul O | Touré | OMAES |
| 7 | Mamadou D | Traoré | Personne ressource |
| 8 | Koundou | Coulibaly | RARE |
| 9 | Adenème | Sangara | RARE |
| 10 | Almamy M | Sandji | OMAES |
| 11 | Maridiè | Niaré | CP/OMAES |
| 12 | Cheick A | Diarra | OMAES |
| 13 | Kadiatou | Kanté | OMAES |
| 14 | Siby | Dembélé | OMAES |
| 15 | Nougou | Dembélé | OMAES |
| 16 | André | Cissé | OMAES |
| 17 | Mahamadou B | Maiga | Personne ressource |
| 18 | Cheick Oumar | Coumaré | OMAES |
| 19 | Moussa | Sissoko | OMAES |
| 20 | Fatoumata | Keita | OMAES |
| 21 | Emmanuel | Coulibaly | OMAES |
| 22 | Mahamadou | Kanté | Consultant RARE |
| 23 | Bréhima | Traoré | OMAES |
| 24 | Moussadian | Coulibaly | RARE |
| 25 | Mary | Denaw | STS |
| 26 | Claire | Wassouan | STS |
| 27 | Eli | Théra | OMAES |
| 28 | Dado | Yerou | DNP |

Annex C. Item Statistics

Item-test correlation & Cronbach alpha by item

| Item | alpha |
|------------------------------|-------|
| Orientation to Print | 0.753 |
| Initial Sound Identification | 0.938 |
| Letter-sound Knowledge | 0.959 |
| Non-word Reading | 0.958 |
| Oral Reading Fluency | 0.976 |
| Reading Comprehension | 0.576 |
| Listening comprehension | 0.608 |

| Variable percent Correct | Mean | Std. Dev. | Min | Max |
|------------------------------|------|-----------|-----|-----|
| Orientation to Print | 2.2 | 1.8 | 0 | 6 |
| Initial Sound Identification | 2.2 | 3.2 | 0 | 10 |
| Letter-sound Knowledge | 8.9 | 11.3 | 0 | 53 |
| Non-word Reading | 3.6 | 9.4 | 0 | 45 |
| Oral Reading Fluency | 3.5 | 9.9 | 0 | 49 |
| Listening Comprehension | 2.0 | 1.5 | 0 | 5 |
| Reading Comprehension | 0.1 | .4 | 0 | 4 |

Orientation to Print

Item Statistics

| | Mean | Std. Deviation | Corrected Item-Total Correlation |
|---------|------|----------------|----------------------------------|
| OrLec_1 | .65 | .477 | .546 |
| OrLec_2 | .59 | .493 | .639 |
| OrLec_3 | .28 | .447 | .339 |
| OrLec_4 | .32 | .465 | .675 |
| OrLec_5 | .35 | .477 | .605 |
| OrLec_6 | .01 | .119 | .073 |

Initial Sound Identification

Item Statistics

| | Mean | Std. Deviation | Corrected Item-Total Correlation |
|------|------|----------------|----------------------------------|
| SI1 | .22 | .414 | .838 |
| SI2 | .20 | .397 | .771 |
| SI3 | .14 | .347 | .779 |
| SI4 | .52 | .500 | .430 |
| SI5 | .21 | .405 | .719 |
| SI6 | .16 | .364 | .830 |
| SI7 | .13 | .340 | .778 |
| SI8 | .16 | .364 | .835 |
| SI9 | .21 | .409 | .824 |
| SI10 | .17 | .375 | .847 |

Letter-sound Knowledge

Item Statistics

| | Mean | Std. Deviation | Corrected Item Total Correlation |
|-----|------|----------------|----------------------------------|
| _1 | .27 | .444 | .619 |
| _2 | .60 | .490 | .577 |
| _3 | .39 | .488 | .767 |
| _4 | .23 | .418 | .566 |
| _5 | .30 | .459 | .730 |
| _6 | .45 | .498 | .704 |
| _7 | .37 | .483 | .657 |
| _8 | .24 | .430 | .758 |
| _9 | .38 | .485 | .751 |
| _10 | .16 | .364 | .575 |
| _11 | .26 | .441 | .711 |
| _12 | .26 | .439 | .658 |
| _13 | .02 | .148 | .167 |

| | | | |
|-----|-----|------|------|
| _14 | .12 | .328 | .554 |
| _15 | .35 | .477 | .739 |
| _16 | .35 | .477 | .726 |
| _17 | .18 | .388 | .622 |
| _18 | .25 | .431 | .645 |
| _19 | .27 | .444 | .713 |
| _20 | .30 | .460 | .660 |
| _21 | .15 | .354 | .631 |
| _22 | .30 | .458 | .734 |
| _23 | .13 | .335 | .499 |
| _24 | .02 | .131 | .189 |
| _25 | .16 | .370 | .716 |
| _26 | .19 | .391 | .680 |
| _27 | .24 | .428 | .743 |
| _28 | .16 | .366 | .690 |
| _29 | .22 | .415 | .725 |
| _30 | .12 | .328 | .651 |
| _31 | .14 | .350 | .650 |
| _32 | .08 | .276 | .534 |
| _33 | .16 | .367 | .665 |
| _34 | .12 | .324 | .656 |
| _35 | .07 | .250 | .502 |
| _36 | .11 | .315 | .640 |
| _37 | .09 | .292 | .603 |
| _38 | .09 | .283 | .579 |
| _39 | .07 | .253 | .512 |
| _40 | .05 | .217 | .534 |
| _41 | .01 | .119 | .231 |
| _42 | .08 | .276 | .500 |
| _43 | .07 | .250 | .504 |
| _44 | .03 | .158 | .402 |
| _45 | .05 | .210 | .465 |
| _46 | .04 | .196 | .424 |
| _47 | .03 | .167 | .433 |
| _48 | .02 | .153 | .423 |
| _49 | .03 | .158 | .413 |
| _50 | .02 | .137 | .348 |
| _51 | .02 | .137 | .380 |
| _52 | .00 | .056 | .150 |
| _53 | .01 | .119 | .354 |

| | | | |
|-----|-----|------|------|
| _54 | .02 | .131 | .322 |
| _55 | .01 | .105 | .305 |
| _56 | .01 | .097 | .316 |
| _57 | .01 | .080 | .266 |
| _58 | .01 | .097 | .277 |
| _59 | .01 | .089 | .289 |
| _60 | .00 | .040 | .127 |
| _61 | .01 | .080 | .216 |
| _62 | .00 | .056 | .165 |
| _63 | .00 | .040 | .113 |
| _64 | .00 | .069 | .200 |
| _65 | .00 | .040 | .127 |
| _66 | .00 | .069 | .200 |
| _67 | .00 | .000 | .000 |
| _68 | .00 | .056 | .165 |
| _69 | .00 | .056 | .165 |
| _70 | .00 | .056 | .165 |
| _71 | .00 | .040 | .127 |
| _72 | .00 | .040 | .127 |
| _73 | .00 | .040 | .127 |
| _74 | .00 | .000 | .000 |
| _75 | .00 | .000 | .000 |
| _76 | .00 | .000 | .000 |
| _77 | .00 | .000 | .000 |
| _78 | .00 | .000 | .000 |
| _79 | .00 | .000 | .000 |
| _80 | .00 | .000 | .000 |
| _81 | .00 | .040 | .106 |
| _82 | .00 | .000 | .000 |
| _83 | .00 | .000 | .000 |
| _84 | .00 | .000 | .000 |
| _85 | .00 | .000 | .000 |
| _86 | .00 | .000 | .000 |
| _87 | .00 | .000 | .000 |
| _88 | .00 | .000 | .000 |
| _89 | .00 | .000 | .000 |
| _90 | .00 | .000 | .000 |
| _91 | .00 | .000 | .000 |
| _92 | .00 | .000 | .000 |
| _93 | .00 | .000 | .000 |

| | | | |
|------|-----|------|------|
| _94 | .00 | .000 | .000 |
| _95 | .00 | .000 | .000 |
| _96 | .00 | .000 | .000 |
| _97 | .00 | .000 | .000 |
| _98 | .00 | .000 | .000 |
| _99 | .00 | .000 | .000 |
| _100 | .00 | .000 | .000 |

Non-word Reading Fluency (MOT)

Item Statistics

| | Mean | Std. Deviation | Corrected Item- Total Correlation |
|--------|------|----------------|--------------------------------------|
| MOT_1 | .22 | .414 | .697 |
| MOT_2 | .19 | .389 | .729 |
| MOT_3 | .20 | .401 | .750 |
| MOT_4 | .21 | .405 | .780 |
| MOT_5 | .19 | .394 | .768 |
| MOT_6 | .18 | .382 | .746 |
| MOT_7 | .15 | .361 | .786 |
| MOT_8 | .17 | .373 | .797 |
| MOT_9 | .19 | .391 | .757 |
| MOT_10 | .13 | .335 | .758 |
| MOT_11 | .18 | .383 | .715 |
| MOT_12 | .10 | .296 | .731 |
| MOT_13 | .10 | .300 | .726 |
| MOT_14 | .11 | .319 | .714 |
| MOT_15 | .06 | .229 | .520 |
| MOT_16 | .11 | .311 | .708 |
| MOT_17 | .12 | .322 | .787 |
| MOT_18 | .09 | .285 | .704 |
| MOT_19 | .09 | .283 | .742 |

| | | | |
|--------|-----|------|------|
| MOT_20 | .08 | .268 | .689 |
| MOT_21 | .09 | .283 | .670 |
| MOT_22 | .06 | .244 | .679 |
| MOT_23 | .05 | .223 | .664 |
| MOT_24 | .04 | .206 | .616 |
| MOT_25 | .04 | .188 | .584 |
| MOT_26 | .04 | .192 | .553 |
| MOT_27 | .03 | .180 | .567 |
| MOT_28 | .03 | .180 | .560 |
| MOT_29 | .02 | .137 | .435 |
| MOT_30 | .01 | .112 | .409 |
| MOT_31 | .02 | .131 | .433 |
| MOT_32 | .02 | .137 | .483 |
| MOT_33 | .01 | .105 | .384 |
| MOT_34 | .01 | .089 | .343 |
| MOT_35 | .00 | .056 | .312 |
| MOT_36 | .01 | .080 | .306 |
| MOT_37 | .01 | .089 | .367 |
| MOT_38 | .01 | .089 | .367 |
| MOT_39 | .01 | .080 | .353 |
| MOT_40 | .00 | .069 | .334 |
| MOT_41 | .00 | .056 | .230 |
| MOT_42 | .00 | .056 | .312 |
| MOT_43 | .00 | .069 | .307 |
| MOT_44 | .00 | .069 | .307 |
| MOT_45 | .00 | .056 | .312 |
| MOT_46 | .00 | .040 | .235 |
| MOT_47 | .00 | .056 | .312 |

| | | | |
|--------|-----|------|------|
| MOT_48 | .00 | .056 | .312 |
| MOT_49 | .00 | .069 | .307 |
| MOT_50 | .00 | .069 | .307 |

Reading Comprehension

Item Statistics

| | Mean | Std. Deviation | Corrected Item-Total Correlation |
|---------|------|----------------|----------------------------------|
| 1COMP_1 | .05 | .220 | .346 |
| 1COMP_2 | .05 | .217 | .529 |
| 1COMP_3 | .00 | .069 | .417 |
| 1COMP_4 | .01 | .105 | .509 |
| 1COMP_5 | .00 | .040 | .168 |

Listening Comprehension

Item Statistics

| | Mean | Std. Deviation | Corrected Item-Total Correlation |
|--------|------|----------------|----------------------------------|
| 1AUD_1 | .38 | .487 | .357 |
| 1AUD_2 | .41 | .493 | .330 |
| 1AUD_3 | .38 | .486 | .408 |
| 1AUD_4 | .21 | .410 | .295 |
| 1AUD_5 | .62 | .486 | .425 |

Annex D. Results by Grade

Average Score

Orientation to Print

| Grade | N | Mean | SD |
|-------|-----|------|------|
| 1 | 227 | 1.13 | 1.32 |
| 2 | 228 | 2.54 | 1.68 |
| 3 | 174 | 3.13 | 1.57 |

Letter-sound Identification

| Grade | N | Mean | SD |
|-------|-----|------|------|
| 1 | 227 | .7 | 2.2 |
| 2 | 228 | 12.5 | 11.2 |
| 3 | 174 | 14.9 | 12.4 |

Non-word Reading

| Grade | N | Mean | SD |
|-------|-----|------|------|
| 1 | 227 | 1.1 | 11.6 |
| 2 | 228 | 3.86 | 6.5 |
| 3 | 174 | 6.62 | 8.7 |

ORF

| Grade | N | Mean | SD |
|-------|-----|------|------|
| 1 | 227 | .67 | 9.9 |
| 2 | 228 | 3.4 | 7.2 |
| 3 | 174 | 7.42 | 11.4 |

Listening Comprehension

| Grade | N | Mean | SD |
|-------|-----|------|-----|
| 1 | 227 | 1.2 | 1.2 |
| 2 | 228 | 2.2 | 1.5 |
| 3 | 174 | 2.8 | 1.2 |

Reading Comprehension

| Grade | N | Mean | SD |
|-------|-----|------|-----|
| 1 | 227 | .00 | .00 |
| 2 | 228 | .10 | .4 |
| 3 | 174 | .3 | .7 |

Annex E. Results by Group & Grade and Group & Gender

Proportion of correct answers for reading comprehension by group and grade.

Note: No student attempted the fifth comprehension question.

Table A: Reading Comprehension Questions Correct by Treatment Group and Grade

| | | Treatment Group A | | Treatment Group B | | Control | |
|---------|-------|-------------------|---------|-------------------|---------|---------|---------|
| | | Count | % | Count | % | Count | % |
| Grade 1 | 0 | 106 | 100.00% | 83 | 100.00% | 38 | 100.00% |
| | 1 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 3 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 4 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | Total | 106 | 100.00% | 83 | 100.00% | 38 | 100.00% |
| Grade 2 | 0 | 81 | 96.40% | 78 | 85.70% | 52 | 98.10% |
| | 1 | 3 | 3.60% | 10 | 11.00% | 1 | 1.90% |
| | 2 | 0 | 0.00% | 1 | 1.10% | 0 | 0.00% |
| | 3 | 0 | 0.00% | 1 | 1.10% | 0 | 0.00% |
| | 4 | 0 | 0.00% | 1 | 1.10% | 0 | 0.00% |
| | Total | 84 | 100.00% | 91 | 100.00% | 53 | 100.00% |
| Grade 3 | 0 | 59 | 93.70% | 47 | 61.80% | 35 | 100.00% |
| | 1 | 4 | 6.30% | 15 | 19.70% | 0 | 0.00% |
| | 2 | 0 | 0.00% | 11 | 14.50% | 0 | 0.00% |
| | 3 | 0 | 0.00% | 2 | 2.60% | 0 | 0.00% |
| | 4 | 0 | 0.00% | 1 | 1.30% | 0 | 0.00% |
| | Total | 63 | 100.00% | 76 | 100.00% | 35 | 100.00% |
| Total | 0 | 246 | 97.20% | 208 | 83.20% | 125 | 99.20% |
| | 1 | 7 | 2.80% | 25 | 10.00% | 1 | 0.80% |
| | 2 | 0 | 0.00% | 12 | 4.80% | 0 | 0.00% |
| | 3 | 0 | 0.00% | 3 | 1.20% | 0 | 0.00% |
| | 4 | 0 | 0.00% | 2 | 0.80% | 0 | 0.00% |
| | Total | 253 | 100.00% | 250 | 100.00% | 126 | 100.00% |

Proportion of correct answers for reading comprehension by group and gender.
 Note: No student attempted the fifth comprehension question.

Table B: Reading Comprehension Questions Correct by Treatment Group and Gender

| | Girl | | Boy | | Total | | |
|----------------------|-------|-----|---------|-----|---------|-----|---------|
| | Count | % | Count | % | Count | % | |
| Treatment Group A | 0 | 125 | 97.70% | 121 | 96.80% | 246 | 97.20% |
| | 1 | 3 | 2.30% | 4 | 3.20% | 7 | 2.80% |
| | 2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 3 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 4 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 128 | 100.00% | 125 | 100.00% | 253 | 100.00% |
| Treatment Group B | 0 | 102 | 82.30% | 106 | 84.10% | 208 | 83.20% |
| | 1 | 15 | 12.10% | 10 | 7.90% | 25 | 10.00% |
| | 2 | 6 | 4.80% | 6 | 4.80% | 12 | 4.80% |
| | 3 | 0 | 0.00% | 3 | 2.40% | 3 | 1.20% |
| | 4 | 1 | 0.80% | 1 | 0.80% | 2 | 0.80% |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 124 | 100.00% | 126 | 100.00% | 250 | 100.00% |
| Control | 0 | 62 | 98.40% | 63 | 100.00% | 125 | 99.20% |
| | 1 | 1 | 1.60% | 0 | 0.00% | 1 | 0.80% |
| | 2 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 3 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 4 | 0 | 0.00% | 0 | 0.00% | 0 | 0.00% |
| | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 63 | 100.00% | 63 | 100.00% | 126 | 100.00% |

Annex F. Baseline EGRA Instrument, French

EGRA En Bamanankan: Baseline

Enumerator
Name

La date et l'heure

Date

Time

Le site de l'écolé

Ecole

L'identification de l'élève

L'identification
de l'élève

Le consentement

I ni sɔ́gɔma! Ne tɔ́gɔ ye _____ I nɔ́gɔn demisenninw be ne
bolo. Kalanjɛ, farikolonɛnɔjɛ ani ntolatan ka di u ye. E dun, e tɔ́gɔ ? Mun de ka di
e ye ?

[Attendez la réponse de l'enfant. Si l'enfant semble à l'aise, passez directement au consentement verbal.

S'il hésite ou a l'air peu à l'aise, posez la deuxième question avant de passer au consentement verbal].

N'i ma taa kalanyɔɔ la don min, i be mun ke? (Le jour où tu ne vas pas à l'école, que fais-tu ?)

Veillez lire, à haute voix, la déclaration suivante à l'élève pour obtenir son consentement verbal:

N be n nakun fɔ i ye. Kalan minisiriso y'a pini ka denmisenninw ka kalanje kecogo kiime. E sugandira k'i sendon o kiimɛni na. Nafaba de be i sendonni in na ; nka n'a man di i ye, diyagoya te.

An be na lamɛnni ni kalanje tulong dɔw ke.

I be waati min ke fen dɔw kalanni na, o be jatemine. Nka jɔgɔndan te. Ne ni e be min ke, o te foyi falen i ka kuruw la kalanso kɔnɔ. N be na jininkali dɔw k'i la fana aw ka du kan. Maa si ten'a don ko e ka jaabiw don. N'i t'a fe ka jininkali min jaabi, i b'o to yen. N b'a fɔ i ye hali bi, i diyagoyalen te k'i sendon kiimɛni in na, n'a ma ben i ma.

I sɔn na wa? [Attendez la réponse de l'élève avant de poser la prochaine question. Si l'élève dit 'oui' à la question, posez la question suivante. Si l'élève dit 'non', remerciez l'élève et passez au prochain élève.]

An be se k'a damine wa?

Consentement verbal obtenu:

Information de l'élève

Nom de l'élève

Age de l'élève

L'élève est dans quelle classe ?

1ere

2eme

3eme

Le sexe de l'élève

Fille

Garçon

ORIENTATION A LA LECTURE

[Montrez à l'élève la Feuille A]

Lisez les instructions suivantes et enregistrez les réponses de l'élève :

I tena masalabolo in kalan fɔɔ, sisan n'i bɛna masalabolo in kalan i be a kalan ka taa fan jumɛ fɛ. ([L'élève déplace son doigt de la gauche à la droite])

Correct

Incorrect

Pas de Réponse

Sisan, ne b'a fɛ, i ka masalabolo in damininɛ jira. ([L'élève pose le doigt sur la 1ère ligne, le mot le plus à gauche « Bi / Bi sɔgɔmada »])

Correct

- Incorrect
- Pas de Réponse

Sisan, ne b'a fe, i ka masalabolo in laban jira. ([L'élève pose le doigt sur « la / lakoli la »])

- Correct
- Incorrect
- Pas de Réponse

Sisan, sira folo laban jira (L'élève déplace son doigt sur le premier « Mun »)

- Correct
- Incorrect
- Pas de Réponse

N'i sera sira folo laban na, i bɛna sira min kalan o ko, o jira. ([L'élève déplace son doigt vers le mot placé le plus à gauche de la seconde ligne – « b'i».])

- Correct
- Incorrect
- Pas de Réponse

Sisan, kumaseɛ folo laban jira. ([L'élève pose son doigt sur « ye »])

- Correct
- Incorrect
- Pas de Réponse

Identification du son initial

Instructions à l'élève : Nin ye degeli de ye min bɛ kɛ baro senfɛ. N bɛna daɲɛ kelen fo i ye. Nb'a fo ka segin a kan. O kɔfɛ, i mana siginiden min mankan mɛn daɲɛ in daminɛ na, i b'o fo n ye. I sɔnna wa?

Misali la “fa” dajɛ bɛ daminɛ ni « fff » mankan ye. O tɛ wa ? « fa » dajɛ bɛ fɔlɔ ni mankan jumɛn ye ? « fa » ? [Attendre que l’élève répète le son “fff”. S’il ne répond pas, dites-lui, “« fa » dajɛ bɛ daminɛ ni « fff » mankan ye.]

An ka misali wɛrɛw laɛ :

“sisi” dajɛ bɛ daminɛ ni mankan jumɛn ye? « sisi » ?

(Si l’élève répond correctement, dites-lui **a ka ni kosɛbɛ. « sisi » dajɛ bɛ daminɛ ni « sss » mankan ye.**)

(Si l’élève ne répond pas, dites-lui « « sisi » dajɛ bɛ daminɛ ni « sss » mankan ye.)

« taga » dajɛ bɛ daminɛ ni mankan jumɛn ye? « taga » ?

(Si l’élève répond correctement, dites-lui «**a ka ni kosɛbɛ! « taga » dajɛ bɛ daminɛ ni « t’ » mankan ye.**)

(Si l’élève ne répond pas, dites-lui « « taga » dajɛ bɛ daminɛ ni « t’ » mankan ye.)

« Ami » dajɛ bɛ daminɛ ni mankan jumɛn ye ? « Ami » ?

(Si l’élève répond correctement, dites-lui «**a ka ni kosɛbɛ! « ami » dajɛ bɛ daminɛ ni « a » mankan ye.**)

(Si l’élève ne répond pas, dites-lui « **Ami » dajɛ bɛ daminɛ ni « a » mankan ye.**)

Ne bɛ min nɔfɛ i y’o faamu wa ? Sisan, ne bɛna dajɛ wɛrɛw kalan i ye. N bɛ dajɛ bɛɛ kelen kelen kalan siɲɛ fila. I tulomajɔ kosɛbɛ. I bɛ fɔlɔ ka mankan min mɛn dajɛ daminɛ na, i b’o fɔ n ye. I sɔnna wa ?

Ne pas corriger l’élève pendant le test. En cas de non-réponse ou d’hésitation de sa part, après 3 secondes, relancer la question. Si l’élève ne répond pas, marquer la case « Pas de réponse » et passez au prochain item.

1. « ba » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « ba » ? (/b'/)

A ka ni

A man ni

jaabi ma di

2. « di » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « di » ? (/d'/)

A ka ni

A man ni

jaabi ma di

3. « gafe » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « gafe » ? (/g'/)

A ka ni

A man ni

jaabi ma di

4. « Umu » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « Umu » ? (/uuu/)

A ka ni

A man ni

jaabi ma di

5. « so » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « so » ? (/ssss/)

A ka ni

A man ni

jaabi ma di

6. « pili » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « pili » ? (/p'/)

A ka ni

A man ni

jaabi ma di

7. « kɔ » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « kɔ » ? (/k'/)

A ka ni

A man ni

jaabi ma di

8. « malo » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « malo » ? (/mmm/)

A ka ni

A man ni

jaabi ma di

9. « ɲɛ » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « ɲɛ » ? (/ɲ'/)

A ka ni

A man ni

jaabi ma di

10. « walan » daɲɛ bɛ daminɛ ni mankan jumɛn ye ? « walan » ? (/w'/)

A ka ni

A man ni

jaabi ma di

Le son de la lettre

Siginidenw ni siginidenkuluw fili ka ɲɛ. Siginiden ninnu kalan i k'u mankan fɔ n ye. Misali la, nin siginiden in : [Indiquer le "a": dans la ligne des exemples]Ale bɛ kalan /a/ i n'a fɔ "naji" daɲɛ kɔɔ.

An k'a waleya sisan. Nin siginiden in kalan [Indiquer le "l" dans le rang des exemples]:

Si l'élève répond correctement, dites: A ka ni kosεβε, signiden in βε kalan // i n'a fɔ "λεφε" daɲε kɔɲɔ.

Si l'élève ne répond pas correctement, dites: Ayi, signiden in βε kalan // i n'a fɔ "λεφε" daɲε kɔɲɔ.

An ka misali wεrεw lajε. Nin signiden in kalan [Indiquer le "aa" dans le rang des exemples]:

Si l'élève répond correctement, dites: A ka ni kosεβε, signiden in βε kalan /aa/ i n'a fɔ "naani" daɲε kɔɲɔ.

Si l'élève ne répond pas correctement, dites: Ayi, signiden in βε kalan /aa/ i n'a fɔ "naani" daɲε kɔɲɔ.

An ka misali wεrεw lajε tun. Nin signiden in kalan [Indiquer le "en" dans le rang des exemples]:

Si l'élève répond correctement, dites: A ka ni kosεβε, signidenkulu in βε kalan /en/ i n'a fɔ « den » daɲε kɔɲɔ

Si l'élève ne répond pas correctement, dites: Ayi, signidenkulu in βε kalan /en/ i n'a fɔ « den » daɲε kɔɲɔ

I y'a faamu wa? An βε se ka taa a fe ? Ni ne ko "a damine", i keɔ ka signiden fen o fen kalan, i b'i bolo da o kan. I b'u kalanni damine numanfε ka taa kininfε sira ni sira. I y'a faamu kosεβε wa? I bolo da sigiden fɔɔ kan. I labennen don wa? I b'a lajε k'u kalan ka ɲε teliya la. A damie!

| | | | | | | | | | |
|---|----|----|----|----|----|---|----|---|---|
| b | a | u | I | s | o | ɔ | L | u | c |
| k | d | ɲj | h | t | e | l | ii | m | ɔ |
| r | u | c | ns | p | ee | ε | n | e | b |
| n | an | ε | L | ɔn | t | M | oo | I | g |

| | | | | | | | | | |
|----|----|----|----|----|---|----|----|---|----|
| nt | o | uu | h | u | d | W | r | g | I |
| k | nc | s | f | a | n | An | a | k | nf |
| ε | w | on | L | ng | s | np | in | a | s |
| j | a | εn | l | εε | p | nb | y | a | ɔ |
| m | η | z | nk | b | e | U | L | d | aa |
| g | a | r | ɲ | ɔɔ | o | K | un | I | en |

Time

Remaining

Autostop?

Mots inventés

Dapε dɔw filε, lala i ma deli ka minnu ye. Nka ne tun b'a fε i k'a lajε k'u kalan. Misali la, dapε fɔɔ in bε kalan «gε» [Indiquer le mot « gε » avec le doigt]. I bε se ka segin dapε fɔɔ in kalanni kan wa ?

[Après sa réponse, ou après 3 secondes dans le cas de non-réponse, montrez-lui comment faire.]

Dapε in dun ? [indiquer le mot « zii » avec le doigt]. I bε se k'o kalan wa ?

[Après sa réponse, ou après 3 secondes dans le cas de non-réponse, montrez-lui comment faire.]

Nin dun ? [indiquer le mot « hu » avec le doigt]. I bε se k'o kalan wa ?

[Après sa réponse, ou après 3 secondes dans le cas de non-réponse, montrez-lui comment faire.]

I y'a faamu wa ? N be min nɔfe i y'o faamu wa? Ni ne ko “a damine”, i be siraw ta kelen kelen k'u kalan k'a damine numanfe ka taa kininfe. N'i sera sira do laban na, i b'o nokanta damine. I labennen don wa? I b'a laje k'u kalan ka je teliya la. A damine!

| | | | | |
|------|-------|------|-------|-------|
| zi | fe | do | lu | tee |
| laa | bii | kee | mo | sawa |
| ki | gibo | lezo | fuki | cuto |
| gamo | Luba | yow | baso | pifo |
| pa | kiwo | zaa | yenu | jowe |
| guu | Mire | maja | dɛca | nsɔ |
| yebu | lina | nipe | tansa | yonpe |
| wɛn | Mudo | sipu | poora | ɲasi |
| zuso | wɛɛ | Loo | lunan | njew |
| nope | Nbeli | luro | pini | leko |

Time

Remaining

Autostop?

Lecture du texte 1

Sisan, n b'a fe i ka maana in kalan. I b'i kan bo kosɛbe A laje i k'a kalan ka je teliya la; o ko ne be pininkali dow ke i la. Ni ne ko i k'a damine, i b'a damine yan (*Mettez la feuille de la Section 5 devant l'élève (F/5). Montrez du doigt le premier*

mot du passage). I labenna wa ? An k'a damine. [Faites démarrer le chrono en appuyant sur le bouton START / STOP]

| | | | | |
|--------|--------|---------|---------|----------|
| Samiyε | waati | don. | Ji | sigira |
| Sibi | bɔlɔnw | kɔnɔ. | Dɔgɔ | don, |
| Fati | ye | a | ka | ɔrɔbu |
| kura | don. | A | n'a | terimuso |
| Umu | taara | sugu | la. | U |
| bε | taama | na. | Sɔɔnin, | Fati |
| binna. | A | kasira. | A | y'a |
| ka | ɔrɔbu | lajε. | A | seginna |
| so. | A | ba | ye | ɔrɔbu |
| kura | wεrε | di | a | ma. |

Time
Remaining
Autostop?

Questions de Compréhension

[Reprendre le texte]

Sisan, i bεna pininkali damadɔ jaabi maana in kan.

1. Ko in kεra san waati jumεn ? ([Samiyε])

Correct

Incorrect

Pas de réponse

2. Fati ye mun don? ([ɔɔbu])

Correct

Incorrect

Pas de réponse

3. Mun ye Fati sɔɔ ? ([A binna])

Correct

Incorrect

Pas de réponse

4. Jɔn kasira ? ([Fati])

Correct

Incorrect

Pas de réponse

5. Fati binna. A ka ɔɔbu be cogo di ? ([ɔɔbu nɔɔɔlen])

Correct

Incorrect

Pas de réponse

Compréhension à l'audition

Sisan, ne beɓna maana kelen kalan i ye siɲɛ kelen. O kɔ, n be pininkali damado k'i la maana in kan. I be maana in lamɛn kosɛbe. I be tila ka pininkaliw jaabi i fɛɛ ma' I sɔɓna wa? N b'a fɛ i ka min ke i y'o faamu wa? An k'a daminɛ. A lamɛn kosɛbe:

Bi ye seli ye.

Ma ye Buba n'a dɔgɔmuso Fanta ka fini kuraw labɛn.

U y'u pari ka taa warabafilɛso la.

U taara mɔbili jini sirada la.

U mɛɛnna u ma mɔbili sɔrɔ bawo mɔbili bɛɛ falɛn don.

Laban na, mɔbili dɔ sɔrɔla.

U selen warabafilɛso la Buba ni Fanta ye ji suma san.

O kɔfɛ, u ye waraba, sama, bama ani bagan caman wɛrɛw ye.

U ye fotow ta ani k'u teriw ye.

Seli diyara dɛ !

1. Buba ni Fanta taara min ? ([Warabafilɛso la.])

- Correct
- Incorrect
- Pas de réponse

2. Munna u ma mɔbili sɔrɔ jooɔna ? ([Bawo mɔbili bɛɛ falɛn don. Bawo selidon don.])

- Correct
- Incorrect
- Pas de réponse

3. Bagan jumɛnw bɛ sɔrɔ warabafilɛso la ? ([Waraba, sama, banba (hali n'a ye bagan fila fɔ)/ Kungokɔnɔ baganw.])

- Correct
- Incorrect
- Pas de réponse

4. Jonw ye fotow ta ? ([Buba ni Fanta])

- Correct
- Incorrect
- Pas de réponse

5. Munna u ye ji suma san ? ([Bawo minnɔgɔ b'u la.])

- Correct
- Incorrect
- Pas de réponse

Entretien sur l'environnement de l'élève.

An tilala ka ban. An tɔ ye pininkali damadɔw ye e kan, aw ka du kan, i ka kalan kan ani aw ka so kan.

1. E si ye san joli ye? ((Enregistrez le nombre d'années. Si l'élève ne sais pas ou ne répond pas, enregistrez 99.))

2. I bangena kalo jumɛn ? ((Enregistrez le mois. Si l'élève ne sais pas ou ne répond pas, enregistrez 99.))

3. I bangena san jumɛn ? ((Enregistrez l'année. Si l'élève ne sais pas ou ne répond pas, enregistrez 99.))

4A. I bɛ kan jumɛn (w) fɔ so ? ([Jaabi caman bɛ se ka di])

- Bamanankan
- Fulfuldé

- Songhoi
- Bomu
- Français
- Arabe
- Autre
- Pas de réponse / ne sais pas

4B. Si la réponse est autre, précisez:

5. Kalanje gafe do b'i bolo wa?

- Oui
- Non
- Pas de réponse / ne sais pas

6A. Gafe wεrεw, kunnafonisebenw walima fen kalanta wεrε b'i bolo k'a bo kalanso taw wa ?

- Oui
- Non
- Pas de réponse / ne sais pas

6B. Misali damadow di ((Pas besoin d'enregistrer la réponse))

7A. Gafe ninnu be kan jumεnw na?

- Français
- Bamanankan
- Fulfuldé
- Songhoi
- Bomu
- Arabe
- Autre

Pas de réponse / ne sais pas

7B. Si la réponse est autre, précisez:

8. K'a bo e la, mogo wεε be a' ka du kono min be se kalanje la wa ?

Oui

Non

Pas de réponse / ne sais pas

9A. Jon ni jon be se kalanje la aw ka so ? ((Plusieurs réponses sont autorisée))

Mère

Père

Soeur(s)/frère(s)

Autre

Ne sais pas / pas de réponse

9B. Si la réponse est autre, précisez:

10. Arajo b'aw ka so wa ?

Oui

Non

Pas de réponse

11. Telefoni b'aw ka so wa ?

Oui

Non

Pas de réponse

12. Yeelen (kuran) b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

13. Tele b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

14. Firigo (jisumanyalan) b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

15. Sokononengen b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

16. Negeso b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

17. Moto b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

18. Wotoro walima kurun walima pinasi b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

19. Mòbili, kamiyon, 4x4, sɛnɛkɛmansin b'aw ka so wa ?

- Oui
- Non
- Pas de réponse

20. E ye zariden kɛ yanni e ka don lakɔli la wa ?

- Oui
- Non
- Pas de réponse / ne sais pas

21. I bɛ kalanso jumɛn na ninan ?

- 1ère année
- 2ème année
- 3ème année
- 4ème année

22. E tun bɛ kilasi jumɛn na salon?

- Jardin d'enfants
- 1ère année
- 2ème année
- 3ème année
- 4ème année
- Pas à l'école
- Pas de réponse / ne sais pas
- Autres

23. Yala karamɔgo bɛ to ka baara d'e ma ka kɛ so wa ?

Oui

Non

Pas de réponse / ne sais pas

24. [Ni 8 jaabi ye cwo ye] Yala mogo b'i demε ka baara in ke tuma dow wa ?

Oui

Non

Pas de réponse / ne sais pas

25. Salon, e ye kalan bila ka tεmε dogokun kelen kan wa ?

Oui

Non

Pas de réponse / ne sais pas