AFRICAN POPULATION AND HEALTH RESEARCH CENTER
EDUCATION RESEARCH PROGRAMME
ERP_CS_2012
LEARNER NUMERACY ASSESSMENT TOOL FOR STD 3 (Q306a_NUM)

BACKGROUND INFORMATION

1.1 START TIME

1.2 DATE OF INTERVIEW (DD/MM/YYYY)

1.3 FIELD INTERVIEWER'S (FI) CODE

1.5 NAME OF TOWN 1=NAIROBI;2=MOMBASA;3=NYERI;4=NAKURU;5=ELDORET;6=KISUMU

1.9 FULL NAME OF THE SCHOOL

1.10 FULL NAME OF PUPIL

1.10A PUPIL ID [TO BE ASSIGNED AT DATA ENTRY]

1.11 CLASS/GRADE e.g. 3A, 3W, 3G

1.12 CURRENT NATIONAL EXAMINATION INDEX FOR THE SCHOOL

1.13 PREVIOUS NATIONAL EXAMINATION INDEX FOR THE SCHOOL

1.14 END TIME [USE 24 HR CLOCK]

GENERAL INSTRUCTIONS TO THE PUPIL

- Read these instructions carefully.
- Answer ALL the questions
- It is important that you answer each question carefully and as accurately as possible.
- Show all your working in the space provided.
- Please return the completed questionnaire to the research assistant. All information in this questionnaire will be treated confidentially.
- Thank you very much for the time and effort you have put into responding to this questionnaire.
1. How many oranges do you see? _____________

![Oranges](image)

2. Match the pictures with the number.

| ![Dolls](image) | 3  |
| ![Shoes](image) | 2  |

3. Write the number of cups____________________

![Cups](image)

4. How many tens and ones make the number 33?

33 = ___ tens + ___ones
5. Arrange the boxes from the one with the least objects to the one with the most objects. 
*(Write your answer in the spaces provided below).*

   _____   _____   _____   _____

   A     B     C     D

6. Arrange the balls from biggest to smallest. *(Write your answer in the spaces provided below).*

   _____   _____   _____   _____   _____

   A     B     C     D     E

7. Add the numbers  \(8+6=\) ______

8. Add the numbers  \(2 + 6 + 3 = \) _________
9. Apio has 4 mangoes and John has 5 mangoes. How many mangoes do they have altogether? ______

10. 68-34 = ______

11. 9 cars – 4 cars = ______

12. What are these coins?

_________________   __________  __________
13. Which carries more water? ____________

![Cup](Image)

![Gourd](Image)

14. Which is lighter? ________________

![Hen](Image)

![Cow](Image)

15. Look at the shapes. Which one is a circle? ________________

![Shape A](Image)

![Shape B](Image)

![Shape C](Image)
16. Match the object against the correct number.

<table>
<thead>
<tr>
<th>Object</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>🌟 🌟 🌟</td>
<td>4</td>
</tr>
<tr>
<td>🌟 🌟</td>
<td>3</td>
</tr>
<tr>
<td>🌟 🌟 🌟 🌟</td>
<td>2</td>
</tr>
</tbody>
</table>

17. Write the following numbers in words.

26 = ____________________________
15 = ____________________________
74 = ____________________________
47 = ____________________________

18. 457 = _______ hundreds _______ tens and ______ ones

19. 132 + 230 + 617 = ________

20. There are 45 children in Mrs Juma’s classroom and 50 children in Mr. Otieno’s classroom. How many children are there altogether?
21. In a school of 289 pupils, 215 pupils attended school on Monday. How many were absent?

22. 90, 80, 70, ______, ______, 40.

23. Multiply

\[
\begin{array}{c}
\text{\includegraphics[width=1in]{pumpkins.png}}
\end{array}
\times
\begin{array}{c}
\text{\includegraphics[width=1in]{pumpkins.png}}
\end{array}
= ______
\]

24. Atieno has 9 mangoes. She shares them equally among 3 children, how many mangoes does each child get?

25. Which of the following can be used to measure the teacher’s desk?

___________________________

[Images of crooked stick, meter ruler, shoe lace]
26. Which one is heavier? ____________

27. Which one holds more milk, pot A or pot B? ____________

28. If today is Thursday, then tomorrow will be? ____________
29. Complete the pattern below by shading in the boxes.

![Pattern Image]

30. What shape are these figures? ________________

![](shape1.png)  ![](shape2.png)  ![](shape3.png)

31. Write 92 in words. ________________

32. Place the following numbers in the place values

<table>
<thead>
<tr>
<th></th>
<th>Thousands</th>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>1234</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>86</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

33. Five pupils in Asha’s class got the following marks:

<table>
<thead>
<tr>
<th></th>
<th>Mathematics</th>
<th>English</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mary</td>
<td>62</td>
<td>65</td>
<td>97</td>
</tr>
<tr>
<td>John</td>
<td>70</td>
<td>75</td>
<td>57</td>
</tr>
<tr>
<td>Juma</td>
<td>90</td>
<td>68</td>
<td>72</td>
</tr>
<tr>
<td>Hassan</td>
<td>85</td>
<td>50</td>
<td>78</td>
</tr>
<tr>
<td>Asha</td>
<td>58</td>
<td>89</td>
<td>64</td>
</tr>
</tbody>
</table>

a) Who scored the highest in Mathematics? ________________

b) Who scored the lowest in English? ________________

c) What position was Mary placed in Science? ________________
34. Shade the fraction \( \frac{4}{8} \)

35. Complete the following using ‘greater than’, ‘less than’ or ‘equal to’.

For example: \( \frac{1}{2} \) greater than \( \frac{1}{8} \)

\[ \frac{4}{8} \quad \underline{\quad} \quad \frac{2}{4} \]

36. Mary is nine years old. Her mother is 33 years old. What is the total age of Mary and her mother?

37. \[ 3986 - 2527 = \]

38. Fill in the blank:

\[ 2 + 2 + 2 = \underline{} \times 2 = 6 \]
39. Mother divided 36 mangoes equally among 6 children. How many did each child get?

40. Add:

\[
\begin{array}{c}
275 \\
+150 \\
\hline
\end{array}
\]

41. Auma bought 4kg of meat and Okello bought 2 kg of meat more than Auma. How many kilogrammes of meat did they buy altogether?

42. You have 54 Kenya shillings and you want to divide the money equally among 9 children. How much money does each child have?

43. How many weeks are there in 63 days?
44. Complete the pattern below to make the right side equal to the left.

LEFT

RIGHT

45. How many triangles are there in the figure below? ______________