ANNUAL NATIONAL ASSESSMENT 2013
GRADE 3 MATHEMATICS
TEST

MARKS: 40
TIME: 1 HOUR

PROVINCE ____________________________________________________________

REGION _____________________________________________________________

DISTRICT _____________________________________________________________

SCHOOL NAME _________________________________________________________

EMIS NUMBER (9 digits) _______ _______ _______ _______ _______ _______

CLASS (e.g. 3A) _________________________________________________________

SURNAME _____________________________________________________________

NAME _________________________________________________________________

GENDER (✓) BOY _______ GIRL _______

DATE OF BIRTH _______ _______ _______ _______ _______ _______ _______

This test consists of 12 pages, excluding the cover page.
Instructions to the learner

1. Answer all the questions in the spaces or frames provided.
2. All working must be shown on the question paper and must not be done on rough paper.
3. You may not use a calculator.
4. The test is out of 40 marks.
5. The test duration is 60 minutes.
6. The teacher will take you through the practice exercise.

Practice exercise

Calculate: 125 + 64

Answer: by using Mental Mathematics

125 + 64 = 189

or

Answer: by using the 'breaking-down' method

125 + 64
= 100 + 20 + 5 + 60 + 4
= 100 + 20 + 60 + 5 + 4
= 100 + 80 + 9
= 189

or

Answer: by using the 'adding-on' method

125 + 60 → 185 + 4 → 189

You may not use the 'vertical column' method.

The test starts on the next page.
Circle the letter of the correct answer for questions 1-6.

1. Arrange 172, 217, 127, 712 from the smallest to the greatest.
   A  217, 127, 721, 172
   B  721, 217, 172, 127
   C  172, 127, 721, 217
   D  127, 172, 217, 712

2. Break down the number 489.
   A  80 + 900 + 4
   B  400 + 80 + 9
   C  90 + 40 + 80
   D  800 + 90 + 40

3. 39 doubled =
   A  69
   B  79
   C  78
   D  96
4. Round off 642 to the nearest 10.

A 700
B 655
C 640
D 600

5. 9:45 a.m. on an analogue clock shows that the time is ...

A quarter past ten in the evening.
B quarter past ten in the morning.
C quarter to ten in the evening.
D quarter to ten in the morning.

6. Arrange 1 half, 1 quarter, 1 third, 1 fifth from the greatest to the smallest.

A 1 quarter, 1 half, 1 fifth, 1 third
B 1 half, 1 third, 1 quarter, 1 fifth
C 1 third, 1 fifth, 1 quarter, 1 half
D 1 fifth, 1 quarter, 1 third, 1 half
7. Write the name of the given 3-D object and 2-D shape.

7.1 __________________

7.2 __________________

8. Repeat the diagram pattern once more.

★ ✽ ★ ✽ ★ ✽ ★ ✽ ★

9. Calculate each of the following by using the ‘breaking-down’ method:

9.1 795 – 213
9.2  

584 + 137

10. Complete the table:

<table>
<thead>
<tr>
<th>10.1</th>
<th>Count forward in 100s</th>
<th>584</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.2</td>
<td>Count backwards in 20s</td>
<td>320</td>
</tr>
</tbody>
</table>

11. Write the number name for 468.

_______________________________________

12. Write the number symbol for three hundred and sixty.

_____________________

13. Write the value of the underlined digit in the number 754.

_____________________

Grade 3 Mathematics Test
14. Complete:
\[4 + 4 + 4 + 4 + 4 + 4 + 4 = \underline{_____} \times 4\]

15. Write the next number in the number sequence below.
125; 175; 225; 275; ______

16. Draw one line of symmetry on the following shape:

![Crossed lines](image)

17. Write the width of the bell.

![Bell](image)

Width h = ______ cm
18. Circle the correct word in brackets for each of the sentences below.

18.1 The mass of the can of fish is measured in (grams; centimetres).

18.2 The capacity (content) of the bottle of milk is measured in (metres; litres).

19. John, Jim and Joan each have 37 lollipops.

How many lollipops do they have altogether?
20. There are 36 chocolates in a box. Each child gets 5 chocolates. How many children got chocolates? How many chocolates were left over?

21. Circle the shape that is divided in half.
22. Help the puppy to find his way to his kennel.

The puppy runs to the tree.

He feels thirsty and runs to the dam to drink water.

He runs to the bus and then to his kennel.

22.1 Draw arrows in the grid to show how he ran.

22.2 How many blocks did he run altogether? _______________
Study the graph and then answer the questions that follow.

<table>
<thead>
<tr>
<th>Number of pages per week</th>
<th>Number of pages read by four learners</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td></td>
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<td>30</td>
<td></td>
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<tr>
<td>25</td>
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<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Jamie</th>
<th>Khanye</th>
<th>Lebo</th>
<th>Pulane</th>
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</table>

23.1 Which learners read an equal number of pages?

23.2 Who read the most pages?
24. Read the price list below and answer the questions that follow.

<table>
<thead>
<tr>
<th>Price list</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bunch of grapes</td>
<td>R5,50</td>
</tr>
<tr>
<td>Pineapple</td>
<td>R10,00</td>
</tr>
<tr>
<td>Apple</td>
<td>R5,50</td>
</tr>
<tr>
<td>Orange</td>
<td>R6,00</td>
</tr>
</tbody>
</table>

24.1 How much will 2 pineapples cost?

R____________

24.2 How much change must I get if I buy one orange and pay with R10,00?

R____________
25. Show how you will use the number line to calculate $20 + 30$.

26. Complete the sentence below.

The time on the analogue clock reads _______________

27. Fill in the missing ordinal numbers on the number line.

Total: 40