NATIONAL FOUNDATION PHASE MATHEMATICS
OLYMPIAD
GRADE TWO
ENGLISH
2019
FINAL ROUND QUESTION BOOKLET
DURATION: 1 HOUR 15 MINUTES   TIME: 08:30 -09:45
MARKS: 20   DATES: 10 OCTOBER 2019
NAME OF LEARNER:_____

NAME OF SCHOOL:_____

INSTRUCTIONS TO LEARNERS:
1. **You are expected to answer 15 questions.**
2. **These are multiple choice questions. Circle the correct answer.**
3. **Use blank pages for working. Circle the answer after you have done the working.**
4. **You are not allowed to use the calculator.**
5. **Read the question carefully before answering. Don't rush.**
6. **Your teacher will read the question to you.**
7. **First 10 questions – 1 mark each.**
8. **Questions 11-15: 2 marks each.**

ENJOY THE OLYMPIAD

1. **Write down the 16th term of this addition sequence:-**

   7; 13; 19; 25; . . .

2. **Write down the unit's digit of the 35th number.**

   15; 20; 25; 30;35 . . .

3. **Lindy counted in 4's as follows:-**

   8; 12; 16; 20; …

   What position does the number 96 occupy ?

4. **Each letter in the following addition problem represents a digit.**
   Find A+B if A and B are digits?

   ```
      A  B
      A  B
   +  A  B
   ─────────
   1 4  4
   ```

5. **Find the value of** △

   △ + ▢ + △ - △ = ▢ - △ + **20**

6. **Barney was given R50 more than Denny but R60 less than Gary. If all three were given R300 then how much was given to Gary ?**

7. If   76 + 96 + 106 = 278 then without further working write down the answer to:-

    86 + 116 + 66

8.   How many blocks are there in this stack ?
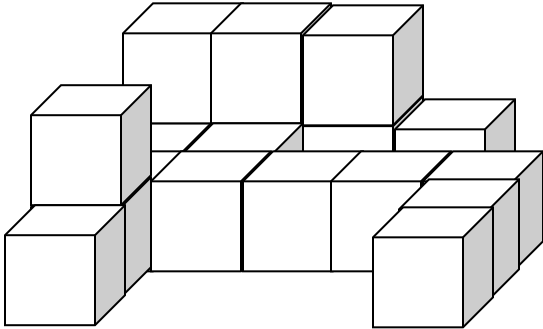
9. Four different numbers starting from the smallest number 60 are added.
    What is the sum of the 4 numbers if each number is 4 less than the previous number?

10. Study the following problem. Do you know that # is doing to the two numbers.
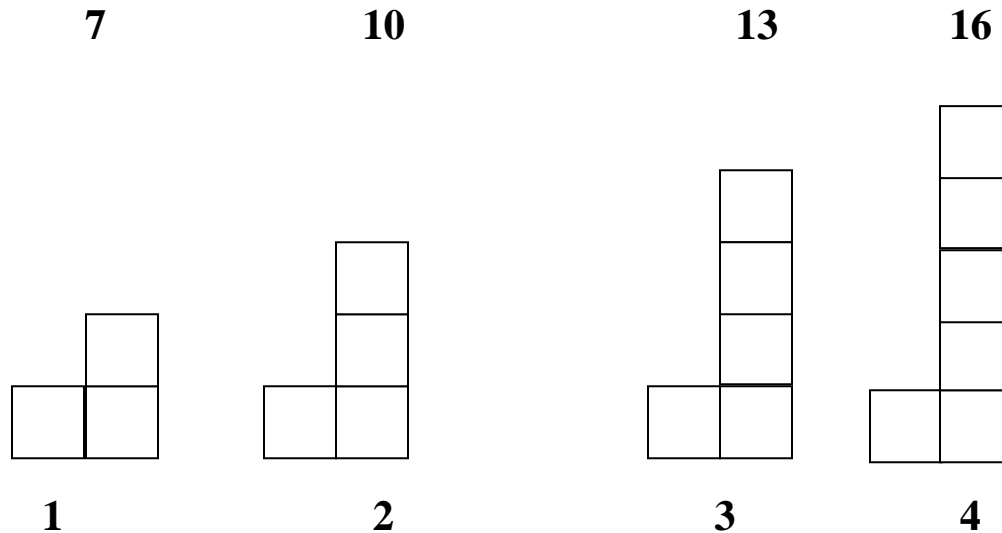   3 # 8 = 20   6 # 3 = 16
     4 # 7 = 20   5 # 4 = 16
     Find the value of :-
     10 # (10 # 6)

11.

| 7 | 10 | 13 | 16 |

| 1 | 2 | 3 | 4 |

10 matchsticks are used to make the 1st diagram
13 matchsticks are use to make the 2nd diagram.
16 matchsticks are used to make the 3rd diagram.
19 matchsticks are used to make the 4th diagram
How many are needed for the 10th diagram ?

12. 4 less than ¼ of the books is 5 then how many books were there?

13. Nellie was on a certain step on a staircase. She went down 4 steps and then went up 6 steps. She then went down 3 steps. She was on step 9. On which step did she start from?

14. Farah had the twice the amount as Heather. If Farah gave Heather R120 then both would have had the same amount.
If both had R720 then how much did Farah start off with?

15. Who is the tallest?
Jenny is taller than Karey.
Karey is shorter than Lettie.
Lettie is shorter than Jenny but taller than Lettie.

MARKS: 10 x 1 = 10
5 x 2 = 10
TOTAL : 20
E N D