



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

**NATIONAL FOUNDATION PHASE MATHEMATICS
OLYMPIAD
GRADE THREE
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



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NO: 2015/050119/08**

1. What is the 10th number of this addition sequence ?
10 ; 18; 26 ; 34; ...

2. Farah counted in 3's as follows:-

9; 12; 15; 18; ...

She stopped at the 32nd number.

What number did she count last ?

3. Find the value of

$$72 - \square = 40 + \square$$

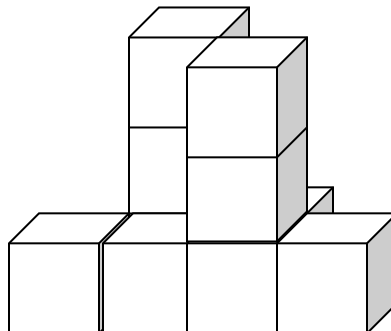
4. Each letter in the following subtraction problem represents a digit.
What is the value of $A + B + C$?

$$\begin{array}{r} 54A \\ - CAB \\ \hline C7B \end{array}$$

5. Jes gave out $\frac{3}{5}$ of his money to charity. He was left with R240.

What is $\frac{1}{3}$ of the amount?

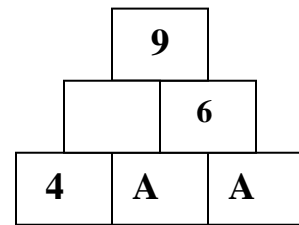
6. How many blocks must be added to this stack to form a structure 4 blocks long; 2 blocks wide and 3 blocks high?



7. Terry counted in 3's from 6 to 60.
 Sue counted in 5's from 10 to 60.
 How many numbers were counted from 6 to 60?

8. An item was purchased and sold for R15 less. Later it was sold for R20 more. If the final price was R70 then determine the initial price.

9. In the game called Pyramaths the number in the left box is halved and added to the number on the right to give the number in the box above it.
 Find A



10. The number 17395 was repeated a number of times as follows:-
 173951739517395.....

What is the sum of the 27th and 31st digits from the left?

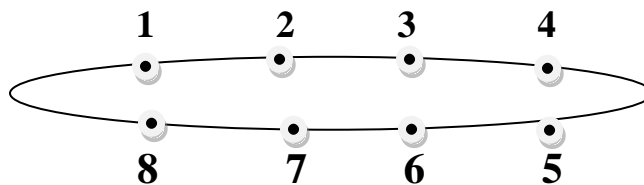
11. Guess the number I stand for:-

- * I am a 3 digit number; XYZ such that X; Y and Z are digits.
- * $X + Y = Z$
- * $X + Y + Z = 18$
- * $X - Y = 5$

12. What is the answer to:-

$$44 - 42 + 40 - 38 + \dots - 10 + 8 ?$$

13.

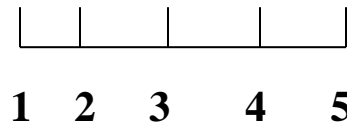


A player was standing at 4 and moved in 3's in an clockwise direction (4 – 7 – 2...). After counting 44 numbers he landed on one number.

On which number did he land?

14. 5 people are seated at chairs 1;2;3 ;4;and 5.

- **B is sitting between D and A.**
- **E is sitting between B and C.**
- **D is sitting to the left of E**
- **A is sitting between E and C.**



Write down the correct letters for 1;2;3;4;5

15. Siphon doubled the money he earned the previous day for 5 days. The total amount he earned over the 5 days is R1550. How much did he earn on the third day?

$$\text{MARKS: } 10 \times 1 = 10$$

$$5 \times 2 = 10$$

$$\text{TOTAL} = 20$$

E N D