



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

**NATIONAL FOUNDATION PHASE MATHEMATICS
OLYMPIAD
GRADE THREE
ENGLISH
2018**

FINAL ROUND QUESTION BOOKLET

DURATION: 1 HOUR 15 MINUTES

TIME: 08:30 -09:45

MARKS: 20

DATES: 11 OCTOBER 2018

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



**NON PROFIT COMPANY
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NO: 2015/050119/08**

1. What is the 9th number of this addition sequence ?
9 ; 16; 23 ; 30; ...

2. Farah counted in 4's as follows:-

3; 7; 11; 15; ...

She stopped at the 31st number.

What number did she count last ?

3. Find the value of

$$64 - \square = 36 + \square$$

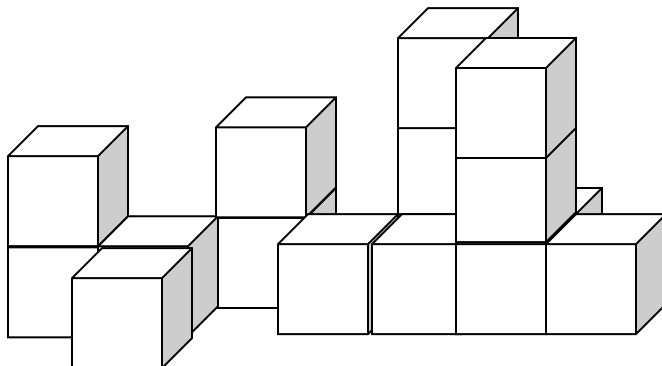
4. Each letter in the following subtraction problem represents a digit.
What is the value of B - A ?

$$\begin{array}{r} \text{A B 4} \\ - \underline{\underline{1 \text{ A B}}} \\ \underline{\underline{2 \text{ A B}}} \end{array}$$

5. Alec gave out $\frac{2}{5}$ of his money to charity which was the same as R720.

What is $\frac{1}{2}$ of the amount?

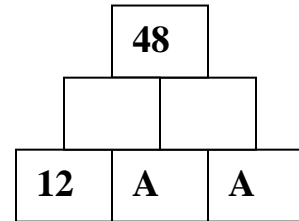
6. How many blocks are there in this stack ?



7. Ben counted in 4's from 8 to 100.
 Connie counted in 5's from 10 to 100.
 How many numbers were counted from 8 to 100?

8. An item was purchased and sold for R20 more. Later it was sold for R10 less. If the final price was R55 then determine the initial price.

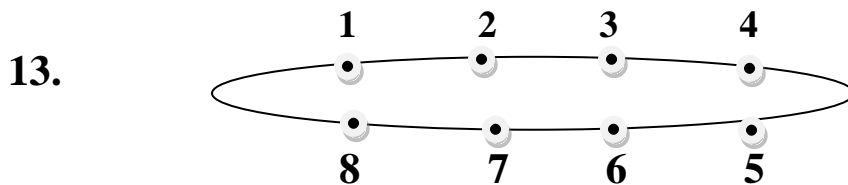
9. In the game called Pyramaths the number in the right box is doubled and added to the number on the left to give the number in the box above it.
 Find A



10. The number 2468 was repeated a number of times as follows:-
 2468246824682468.....
 What is the sum of the 34th and 35th digits from the left?

11. Guess the number I stand for:-
 * I am a 3 digit number
 * My unit's digit is 1 less than my ten's digit.
 * My hundred's digit is 1 less than half my ten's digit.
 * The sum of my digits is 13.

12. What is the answer to:-
 $39 - 37 + 35 - 33 + \dots - 5 + 3 - 1$?

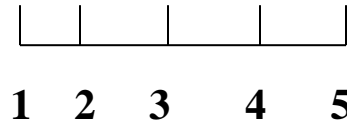


A player was standing at 3 and moved in 3's in an anti-clockwise direction (3 – 8 – 5...). After counting 38 numbers he landed on one number.

On which number did he land?

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

- **A is sitting between B and C.**
- **D is sitting next to B.**
- **C is sitting to the right of A**
- **D is sitting between A and B.**



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

15. Tarry halved the money he earned each day for 4 days. The total amount he earned over the 4 days is R1500. How much did he earn on the first day?

MARKS: 10 x 1 = 10

5 x 2 = 10

TOTAL = 20

E N D