



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

**FEMSSISA NATIONAL FOUNDATION PHASE MATHEMATICS
OLYMPIAD
GRADE TWO
FINAL ROUND PAPER: 2017
QUESTION BOOKLET**

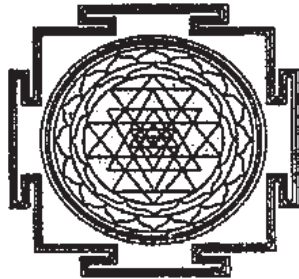
**DURATION: 1 HOUR 15 MINUTES
MARKS: 20**

**TIME: 08:30 -09:45
DATE: 12 October 2017**

INSTRUCTIONS TO LEARNERS:

1. You are expected to answer 15 questions.
2. Use the answer booklet for your answers.
3. Use the space provided for your 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.
9. Write your name in block letters.

ENJOY THE OLYMPIAD



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Grade Two

1. Write down the 8th term of the sequence:-

16; 22; 28; 34; ...

2. Write down the unit's digit of the 21st number.

6; 11; 16; 21; ...

3. Cher counted in 4's as follows:-

8; 12; 16; 20; ...

What position does the number 60 occupy ?

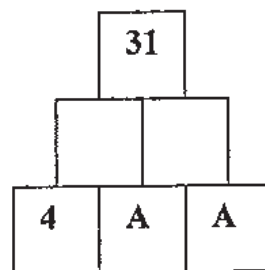
4. Each letter in the following addition problem represents a digit.
Find A+B if A and B are digits?

$$\begin{array}{r} A B \\ A B \\ +A B \\ \hline 1 2 9 \end{array}$$

5. Find the value of \square

$$\square - \triangle + \square = 32 - \triangle + \square$$

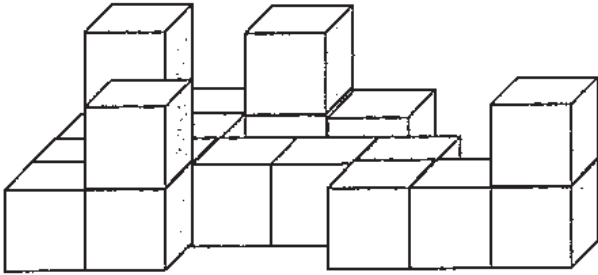
6. In the game called Pyramaths the rule is to double the number on the left and add to the number on the right to get the number in the box above it. Find A.



7. If $175 + 195 + 215 = 585$ then without further working write down the answer to:-

$$245 + 175 + 185$$

8. How many blocks are there in this stack ?



9. Five different numbers starting from the smallest number 10 are added.

What is the sum of the 5 numbers if each number is 2 more than the previous number?

10. Study the following problem. Do you know that # is doing to the two numbers.

$$4 \# 6 = 2$$

$$5 \# 3 = 7$$

$$6 \# 4 = 8$$

$$3 \# 3 = 3$$

Find the value of :-

$$9 \# 6$$

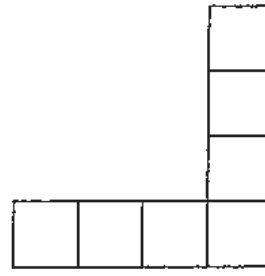
11.



1



2



3

The 1st diagram has 1 square.
The 2nd diagram has 3 squares.
The 3rd diagram has 7 squares.
How many are needed for the 6th diagram ?

12. 4 more than $\frac{1}{2}$ of the chocs is 20 then what is $\frac{1}{4}$ of the chocs?
13. Farah was on a certain step on a staircase. She climbed up 4 steps and then went down 6 steps. She then climbed up 3 steps. She was on step 7. On which step did she start from?
14. Joseph gave $\frac{1}{4}$ of his money to Siswe.
Siswe still has R100 less than Joseph.
Together they have R500.
How much did Joseph initially have?
15. Who is the tallest?
Barry is 5cm taller than Kerry.
Kerry is 10cm shorter than Desiree.
Barry is 15cm taller than Bugs.

E N D