



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

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

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

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

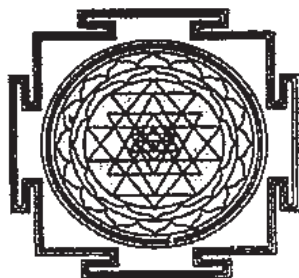
INSTRUCTIONS TO LEARNERS:

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

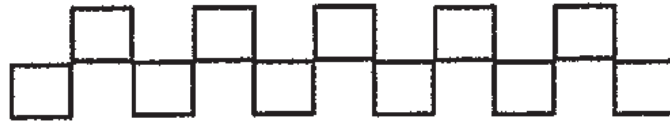


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GRADE ONE

1. How many squares are there in this arrangement ?



2. Give the number which is 23 more than 28.

3. Write down the number which is 16 less than 35.

4. Give the value of \square in this addition problem.

$$\begin{array}{r} 3 \square \\ + \square \square \\ \hline 102 \\ \hline \end{array}$$

5. Give the next number in this addition pattern.

9;16;23;30;__

6. Find the value of \square

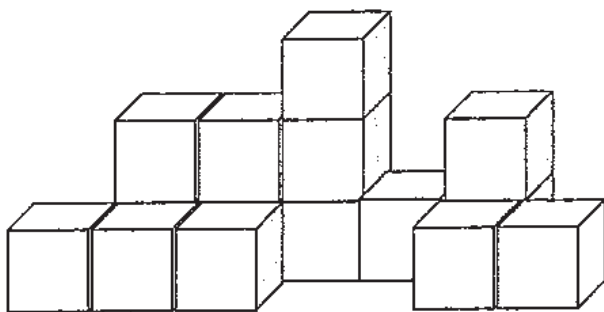
$$\square + 44 + \square = \square + \square + \square + \square$$

7. Dees counted in 3's as follows from 7:-

7; 10; 13; 16; 19; 22; ...

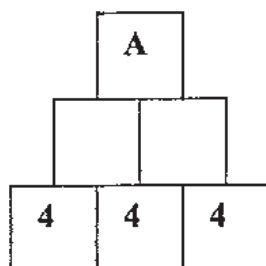
Write down the 20th number.

8. How many blocks are there in this stack ?



9. Pam doubled the number she saw on the door. She then subtracted 5 from it. Her answer was 27. What number did she see on the door?

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



11.

1	3	5	7	9	11
13	15	17	19	21	23
25	27	29	31	33	35
37	39	41	43	45	47

In the above figure a coin is placed at square 29. The coin is moved 1 square down; 3 squares to the right; 3 squares up and 1 square left.

On what numbered square is the coin?

12. 3 packets of chips was sold for R11.
How much would you pay for 12 packets of chips at this rate?
13. Tanny gave R60 to Rose. Rose now had R20 more than Tanny. Both had R180. How much did Tanny have?
14. Betsy gave 10 barney cakes to Candy. Betsy also gave half of the barney cakes to Daisy. There were 12 barney cakes left.
How many barney cakes was given to Daisy?
15. There are 3 boxes A; B and C with secret numbers. The number in box B is 4 more than the number in box A and the number in box C is half the number in box A. If the total of all the numbers is 29 then what is the number in box B?

END