



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

**NATIONAL FOUNDATION PHASE MATHEMATICS
OLYMPIAD
GRADE ONE
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. 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

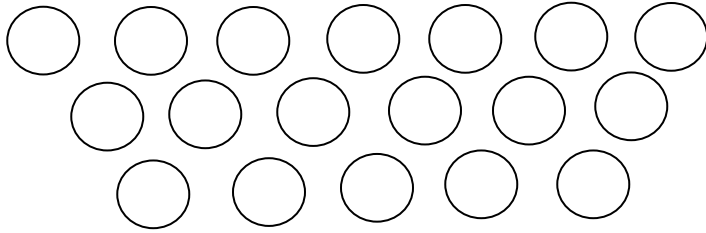


SAASTA
South African Agency for Science
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**REGISTRATION
NO: 2015/050119/08**

1. How many circles are there in this arrangement ?



2. Give the number which is 24 more than 50?

3. Write down the number which is 42 less than 68.

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;17;25;33;___

6. Find the value of \square

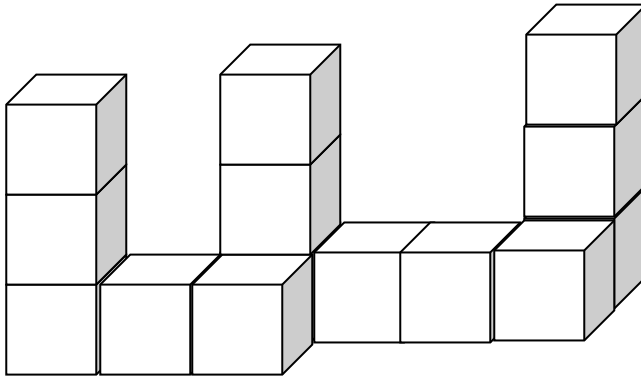
$$48 + \square + \square = \square + \square + \square + \square$$

7. Sash counted in 5's as follows from 10:-

10; 15; 20; 25; ...

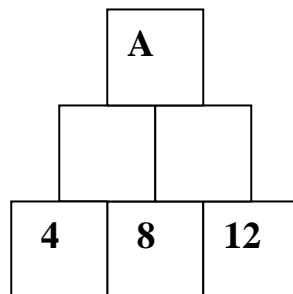
Write down the 15th number.

8. How many blocks are there in this stack ?



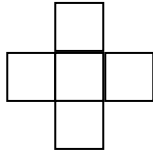
9. Enver has 3 plastic digits 3;3;1. Find the sum of all different 2 digit numbers that can be made?

10. In the game called Pyramaths the rule is to halve the number on the right and add to the number on the left. Find A.

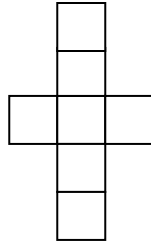


11.

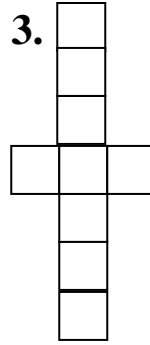
1.



2.



3.



Matchsticks are used to make the figures.

How many matchsticks are needed to make the 5th figure ?

12. 6 oranges were sold for R10.

How many oranges can be sold for R40 at this rate?

13. Amy and Bess both had R240. Amy had R60 less than Bess. How much did Bess have?

14. Candy had 8 marbles less than half the marbles in the bag. If Candy had 36 marbles then how many marbles were in the bag?

15. Cindy makes 6 chains in 2 hours.

Daisy makes 8 chains in 3 hours.

How many chains can they make in 24 hours if they work at the same rate?

END

MARKS: $10 \times 1 = 10$

$5 \times 2 = 10$

TOTAL = 20