MATHEMATICS OLYMPIAD GRADE ONE

DATE: 4-18 AUGUST 2025

TIME: 75 MINUTES

INSTRUCTIONS:

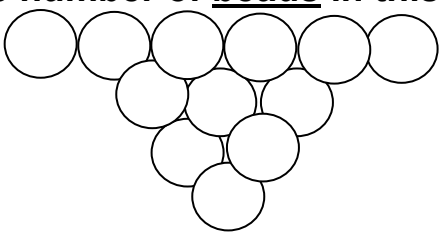
1. This booklet has 12 multiple choice questions and 3 open ended questions.
2. Use the answer sheet provided.

   Circle the letter corresponding to your answer.
3. All working details must be done in the space provided.
4. Calculators are not permitted.
5. Diagrams are not necessarily drawn to scale.
6. The first 10 problems carry 1 mark each and the next 5 carry 2 marks each.
7. You have 75 minutes for the paper which works out to an average of 5 minutes per question.
8. Read the questions carefully before answering. Do not rush.√
9. Your teacher will read the questions to you.
10. Visit the website: www.saolympiads.co.za.

ENJOY THE OLYMPIAD.

GRADE ONE

1. Count the number of beads in this arrangement.



(A) 10 (B) 11 (C) 12

2. Give the number which is 17 less than 24?

(A) 7 (B) 8 (C) 9

3. Add the smallest number to the largest number?
16; 34; 14; 28; 44

(A) 78 (B) 58 (C) 48

4. Give the value of ☐ in this problem.
53 - ☐ - ☐ = 21

(A) 16 (B) 17 (C) 18

5. Give the 10th number in this pattern (adding 5):
15; 20; 25; 30; ……

(A) 50 (B) 55 (C) 60

6. Find the value of: △

29 + ☐ + △ = ☐ + △ + △

(A) 27 (B) 28 (C) 29

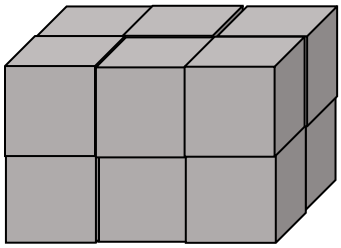
7. Look at this pretty square below:

30	32	34	36	38
28	26	26	24	22
12	14	16	18^0	20
10	8	6	4	2

A coin was placed at 18.
It was moved 2 places to the left, 1 place down, 1 place to the left and 3 places up.
On which numbered square is the coin now on?

(A) 32 (B) 30 (C) 28

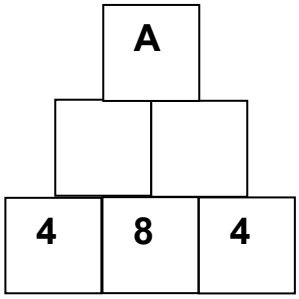
8. How many blocks are there in this structure?



(A) 12 (B) 14 (C) 16

9. Halve the number '30' and add '5' to it.
What will the number now be?
(A) 18 (B) 20 (C) 22

10. In the game called "Pyramaths", the rule is to add the numbers in the 2 blocks below and halve your answer, to give the number in the block above. Find A.



(A) 8 (B) 6 (C) 4

11. 3 more than $\frac{1}{4}$ of the muffins is 12. How many muffins were there altogether?

(A) 28 (B) 32 (C) 36

12. Jenny has 30 beads less than Sipha.
Sipha has 20 beads more than Tina.
If all three had 130 beads, then how many beads did Jenny have?

(A) 30 (B) 40 (C) 60

13. The distance from Apex to Bantry is twice the distance from Bantry to Fields. The distance from Bantry to Fields is 50m less than Fields to Daisy. The distance from Apex to Daisy is 650m. How far in metres is Fields from Bantry?

14. Penny makes 4 paper kites in 30 minutes. Les makes 5 paper kites in 20 minutes. How many paper kites can they make in 60 minutes if they work at the same rate?

15. Money boxes belonging to Alvin(A); Bunny(B) and Candy(C) have a different number of coins.

A	B	C

A has 40 coins more than B. B has half the number of coins as C. If there are 240 coins in all three boxes, then how many coins are there in box B?

END