E-mail: Maths@saolympiads.co.za website: www.saolympiads.co.za

MATHEMATICS GRADE TWO OLYMPIAD

DATE: 4-18 AUGUST 2025

TIME: 75 MINUTES

INSTRUCTIONS:

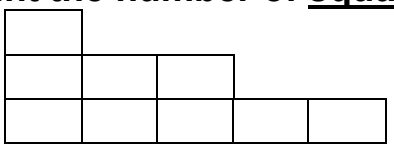
1. This booklet has 12 multiple choice questions and 3 open ended questions.
2. Use the answer sheet provided.

   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 websites: www.saolympiads.co.za.

ENJOY THE OLYMPIAD.

GRADE TWO

1. **Count the number of squares of all sizes in this arrangement:**



(A) 9 (B) 11 (C) 13

2. **Find the value of ☐ :**

13 + ☐ = 70 - 24 - 26

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

3. **Find $\frac{1}{2}$ of 30 + $\frac{1}{4}$ of 20 - $\frac{1}{4}$ of 40:**

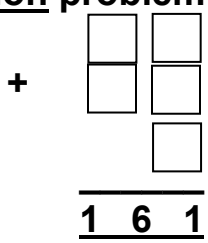
(A) 9 (B) 10 (C) 11

4. **Senzo counted in 3's as follows from 9:**
9; 12; 15; 18;….

Determine the 15th term of the above pattern?

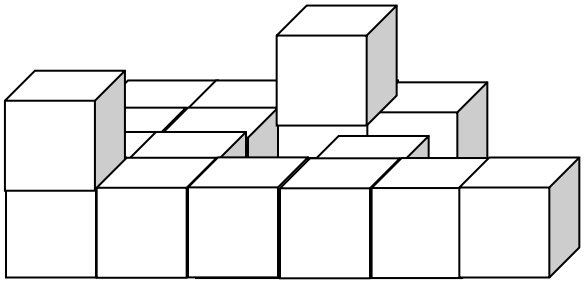
(A) 45 (B) 48 (C) 51

5. **Write down the value of ☐ in the following addition problem:**



(A) 5 (B) 7 (C) 8

6. How many blocks are there in this stack?

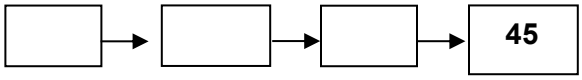


(A) 14 (B) 15 (C) 17

7. Links and Chains

Double the number and subtract 5 each time to move from one block to the other. Which number is in block 1?

1. 2. 3. 4.



(A) 10 (B) 15 (C) 20

8. A company made chairs and tables. For every 2 tables made 9 chairs were made. If 20 tables were made, then how many chairs were made?

(A) 70 (B) 80 (C) 90

9. In the game below no letter must appear more than once in a row, column or 2 by 2 block (shaded).
Use only A; P; E and R.
What letter would be at 3?

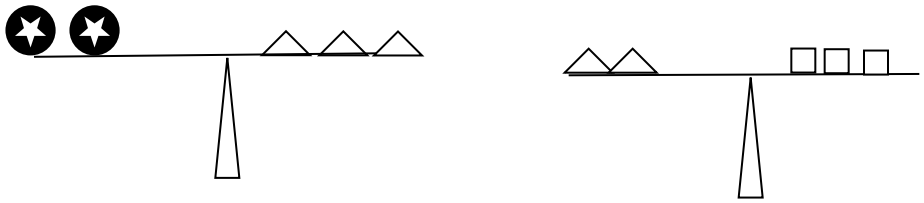
P	R		
		3	E
A			R

(A) E (B) A (C) R

10. **Odd numbers from 1 to 23 are arranged from lowest to highest from left to right. The 3rd card is selected and then the 7th card followed by the 9th card. What is the sum of the numbers on the 3 cards?**
    (A) 35 (B) 37 (C) 39

11. **Study the following problem. Do you know what # is doing to the two numbers?**
    6 # 3 = 1 4 # 1 = 3
    5 # 1 = 4 8 # 3 = 3
    Find the value of: 10 # 3
    (A) 5 (B) 7 (C) 9

12. **The following is in balance.**



    How many circles will 9 squares balance?
    (A) 3 (B) 4 (C) 5

13. **A shop used codes for numbers.**
    3 2 4 is written as B D E.
    1 3 4 is written as A E B.
    4 5 1 is written as B A C. What is the code for 1 2 3 4 5 ?

14. **The sum of 2 different numbers is 24. The difference between the larger number and twice the smaller number is 6. What is the smaller number?**

15. **Julie is 3 years older than Rennie.**
    Rennie is half as old as Tammy.
    Tammy is 12 years old. What is Julie's age?

END