South African Foundation Phase Mathematics Olympiad: Grade 1 - 3

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MATHEMATICS OLYMPIAD GRADE THREE

DATE: 3-17 AUGUST 2026

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.
9. The teacher will read the question to you.
10. Visit the website: www.saolympiads.co.za.

ENJOY THE OLYMPIAD!

1. **My cellphone number is 0822627119.**
   The sum of the digits of my cellphone number is…

   (A) 38 (B) 39 (C) 40

2. **Each letter in the following addition problem represents a digit.**

$$\begin{array}{r} A\ B \\ A\ B \\ +\ A\ B \\ \hline 1\ 0\ 2 \end{array}$$

   What is the value of A + B?

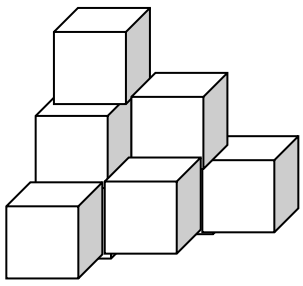
   (A) 8 (B) 7 (C) 6

3. **Write down the 18th number of this addition pattern:**
   6; 11; 16; 21; 26;…

   (A) 71 (B) 81 (C) 91

4. **Aryn counted in 4's as follows from 10:**
   10; 14; 18; 22;….
   Determine the position of the number 86 in the sequence.
   (A) 19th (B) 20th (C) 21st

5. **It was decided to build a similar structure with 35 cubes. How many cubes would there be at the base?**



   (A) 15 (B) 12 (C) 9

6. In the game below no letter must appear more than once in a row, column or in a 2 by 2 block (shaded). Use only A; P ; E and X. What letter would be at 5?

	X		
A			E
		A	
		5	P

(A) A (B) X (C) E

7. Terry said $\frac{1}{4}$ of the coins which was the same as 60. What is $\frac{2}{3}$ of the coins?

(A) 160 (B) 120 (C) 80

8. Guess the number I stand for:
   - I am a 3 digit number.
   - My hundreds digit is 4 less than my tens digit.
   - The sum of my digits is 15.
   - My units digit is 1 more than my tens digit.

(A) 267 (B) 154 (C) 375

9. If 48 x ☐ = 64, then what is 12 x ☐ = ...?

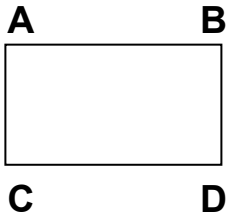
(A) 8 (B) 16 (C) 32

10. Each letter in the following subtraction problem represents a digit. What is the value of A + B?

$$\begin{array}{r} A\ 2\ A \\ -\ \ A\ 8 \\ \hline 5\ B\ 8 \end{array}$$

(A) 13 (B) 12 (C) 11

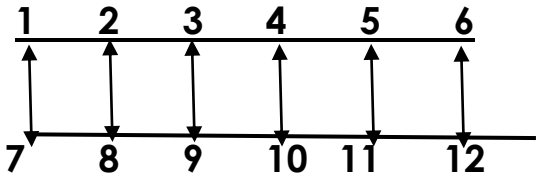
11.



AB has the same number of trees as CD but has 20 more trees than BD. BD has the same number of trees as AC. If the total number of trees is 204 then how many trees does BD have?

(A) 42 (B) 40 (C) 38

12. Twelve players were paired as follows:



If there are 48 players arranged in the same way, then what number will the number 36 be playing opposite?

(A) 10 (B) 12 (C) 14

13. Try to work out what # is doing to the 2 numbers.

4 # 1 = 10 5 # 6 = 3

2 # 1 = 4 3 # 4 = 1

Now find the answer to: 6 # 5

14. The following share cards were used as exchanges: -

- 4 blue cards for 3 orange cards.
- 5 orange cards for 4 red cards.
- 4 red cards for 10 green cards.

How many blue cards can one get for 3 green cards?

15. Dean walks from Pemary to Rose in 18 minutes. Pam walks from Rose to Pemary in 12 minutes. If after 6 minutes, starting at the same time and walking at the same rate they were 200 metres from each other, then determine the distance from Pemary to Rose.

END