MATHEMATICS GRADE TWO OLYMPIAD

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. Do not rush.
9. Your teacher will read the questions to you.
10. Visit the websites: www.saolympiads.co.za.

ENJOY THE OLYMPIAD.

1. **Sipha counted in 2's as follows from 8:**
8; 10; 12; 14; 16;….

What position is the term 36 in the sequence?
(A) 15th (B) 16th (C) 17th

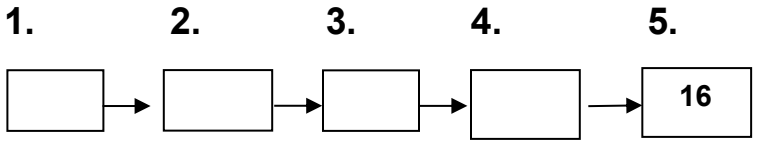
2. **Find the value of ☐ :**
☐ + 30 = 70 - 32

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

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

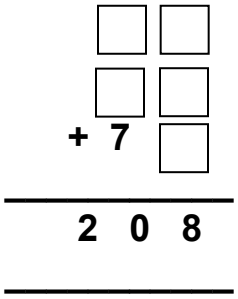
(A) 10 (B) 5 (C) 0

4. **Links and Chains**
Halve the number and add 8 each time to move from one block to the other. Which number is in block 2?



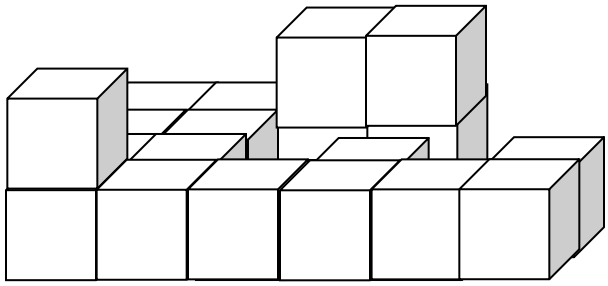
(A) 16 (B) 8 (C) 4

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



(A) 5 (B) 6 (C) 8

6. How many blocks are there in this stack?

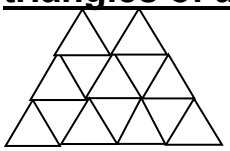


(A) 19 (B) 18 (C) 17

7. Guess the number I stand for:
   - I am a 3 digit number.
   - My hundreds digit is twice my units digit.
   - The sum of my digits is 14.
   - My tens digit is 2 more than my units digit.

(A) 386 (B) 653 (C) 864

8. Count the number of triangles of all sizes in this arrangement:



(A) 19 (B) 20 (C) 22

9. In the game below no number must appear more than once in a row, column or 2 by 2 block (shaded).
Use only 1; 3; 5 and 7. What number would be at X?

3	7		
		X	
		7	
	3		5

(A) 1 (B) 3 (C) 5

10. Even numbered cards 2 to 20 are arranged from highest to lowest from left to right. The 4th ; 7th and 9th cards are selected. What is the sum of the numbers on the 3 cards?

(A) 24 (B) 26 (C) 28

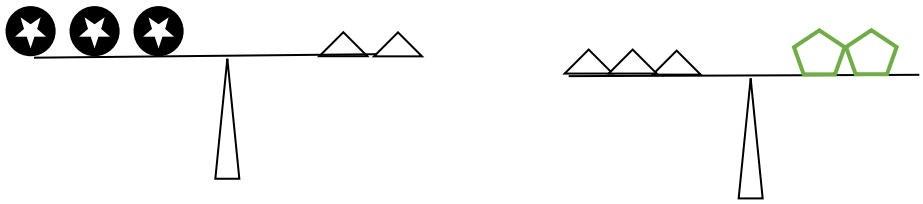
11. Study the following problem. Do you know what # is doing to the two numbers?

6 # 3 = 6 4 # 1 = 6
5 # 1 = 8 8 # 3 = 10

Find the value of: 8 # 2

(A) 8 (B) 10 (C) 12

12. The following is in balance.



How many pentagons will 9 circles balance?

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

13. A computer store used codes for numbers. Note: the digits and codes are NOT listed in matching order.
4 5 7 is written as S P R
7 6 5 is written as R P Q
3 7 6 is written as P T Q
What is the code for 3 4 5 6 7 ?

14. Who is the tallest?
Enver is shorter than Fairy.
Harold is taller than Greta.
Fairy is taller than Harold.

15. The sum of 4 different numbers is 44. Each number is 6 less than the previous number. What is the second smallest number?

END