SOUTHERN AFRICAN FOUNDATION PHASE MATHEMATICS OLYMPIAD FEMSSISA

GRADE 1

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

DATE: 28 AUGUST 2023 – 1 SEPTEMBER 2023

TIME: 75 MINUTES

INSTRUCTIONS:

1. This booklet has 15 multiple choice 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.

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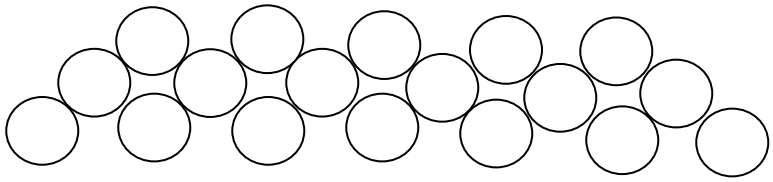
GRADE ONE

1. Count the number of circles in this arrangement.



(A) 20 (B) 19 (C) 18

2. Give the number which is 13 less than 32?

(A) 19 (B) 21 (C) 23

3. Which number is out of order?

6; 12; 24; 18; 30

(A) 6 (B) 24 (C) 30

4. Give the value of ☐ in this addition problem.

$$\begin{array}{r} 9\ 7 \\ +\ 6\ \square \\ \hline 1\,6\,0 \\ \hline \end{array}$$

(A) 2 (B) 3 (C) 4

5. Give the 8th number in this pattern (adding 5):

11; 16; 21; 26; ……

(A) 36 (B) 41 (C) 46

6. Find the value of: □

48 + □ + △ = □ + △ + □

(A) 48 (B) 52 (C) 56

7. Look at this pretty square below:

34	**36**	**38**	**40**	**42**
32	**30**	**28**	**26**	**24**
14	**16**	**18**	**20**	**22**
12	**10**	**8**	**6º**	**4**

A coin was placed at 6.
It was moved 3 places to the left, 2 places up, 4 places to the right and 1 place up.
On which numbered square is the coin now on?

(A) 24 (B) 42 (C) 40

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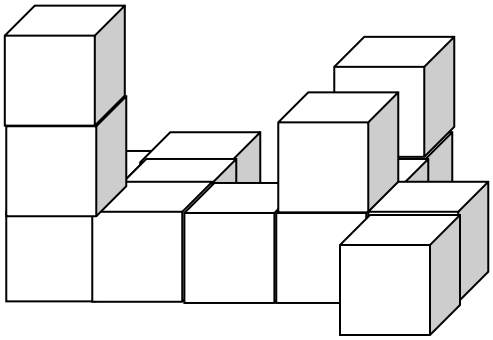
8. How many blocks are there in this stack?

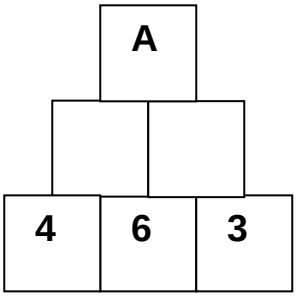


(A) 17 (B) 16 (C) 15

9. Double the number '19' and take away '9' from the answer. What will the number now be?

(A) 29 (B) 31 (C) 33

10. In the game called "Pyramaths", the rule is to add the numbers in the 2 blocks below and add 3 to it, to give the number in the block above. Find A.



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

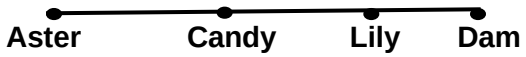
11. **Dandy sold 30 muffins to 1 group of learners. She then sold ½ of the remaining muffins to another group of learners. She still had 10 muffins left. How many muffins did Dandy start off with?**

(A) 30 (B) 40 (C) 50

12. **Rose has 30 coins more than Daisy.**
Daisy has 20 coins less than Tammy.
If all three had 110 coins, then how many coins did Tammy have?

(A) 40 (B) 30 (C) 20

13. **Bunny walked 300 metres to the right from Aster on a straight road to Lily. She then walked 130 metres to the left to Candy and then 200 metres to the right to Dam. How far in metres is Lily to Dam?**



(A) 60 (B) 70 (C) 80

14. **Who is the tallest?**
Sipho is taller than Mandy.
Tim is shorter than Doreen.
Tim is taller than Sipho.

(A) Doreen (B) Tim (C) Sipho

15. **Sash makes 9 paper boats in 30 minutes. Len makes 4 paper boats in 15 minutes. How many paper boats can they make in 60 minutes if they work at the same rate?**

(A) 32 (B) 34 (C) 36

END