SOUTHERN AFRICAN FOUNDATION PHASE MATHEMATICS OLYMPIAD FEMSSISA

GRADE 1

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

DATE: 15 – 19 AUGUST 2022

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 one 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.
9. Visit the websites: www.saolympiads.co.za.

ENJOY THE OLYMPIAD.

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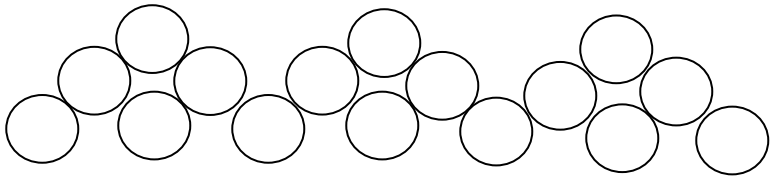
GRADE ONE

1. Count the number of circles in this arrangement.



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

2. Give the number which is 17 more than 28?

(A) 45 (B) 47 (C) 49

3. Which number is out of order?

9; 12; 18; 15; 21

(A) 12 (B) 15 (C) 21

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

$$\begin{array}{r} 7\ 7 \\ +\ 5\ \square \\ \hline 1\,3\,1 \\ \hline \end{array}$$

(A) 3 (B) 4 (C) 5

5. Give the 7th number in this pattern (adding 6):

13; 19; 25; 31; ……

(A) 37 (B) 43 (C) 49

6. Find the value of:

56 + ☐ = ☐ + ☐

(A) 52 (B) 54 (C) 56

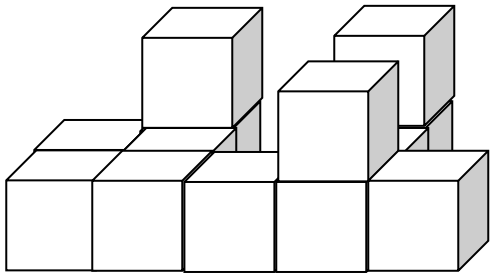
7. Look at this pretty square below:

31	**33**	**35**	**37**	**39**
29	**27**	**25**	**23**	**21**
11	**13**	**15^0**	**17**	**19**
9	**7**	**5**	**3**	**1**

A coin was placed at 15.
It was moved two (2) places to the left, one (1) place down, 4 places to the right and 3 places up.
On which numbered square is the coin now on?

(A) 33 (B) 39 (C) 37

8. How many blocks are there in this stack?

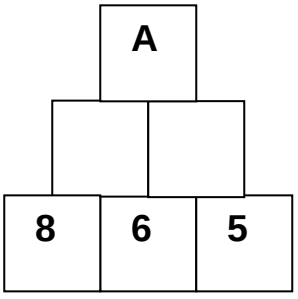


(A) 13 (B) 14 (C) 15

9. Double the number '17' and add '6' from the answer. What will the number now be?

(A) 38 (B) 40 (C) 30

10. In the game called "Pyramaths", the rule is to double the number on the right and add to the number on the left. Find A.



(A) 48 (B) 50 (C) 52

11. Thandi gave 20 oranges to one group of friends. She then gave ½ the remaining oranges to another group. She still had 30 oranges left. How many oranges did Thandi start off with?

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

12. 12 packets of chips were sold for R72. How much would you pay for 3 packets of chips at this rate?

(A) R36 (B) R18 (C) R12

13. Money boxes A; B and C have a different number of coins.

A	B	C

A has 20 coins more than C. B has twice the number of coins of C. If there are 140 coins in all three boxes, then how many coins are there in box C?

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

14. Tanny ate 3 sweets more than half of the sweets. She still had 12 sweets. How many sweets were there before she started eating?

(A) 30 (B) 32 (C) 34

15. Daisy makes 6 kites in 20 minutes. Pansy makes 4 kites in 15 minutes. How many kites can they make in 60 minutes if they work at the same rate?

(A) 30 (B) 32 (C) 34

END