Spirit of Math
Releasing the Genius ®

Spirit of Math
International Contest 2024

INSTRUCTIONS

1 You have 30 minutes to write the contest.

2 The contest is multiple-choice with four choices for each question.

3 Write the CAPITAL letter of the answer you choose on the line to the right of each question .

4 Each question answered correctly is worth one mark, and the sum of the correct answers is the score.

5 Marks are not taken off for wrong answers.

6 No calculators or other counting tools are allowed.

Student Name:

Score: /20

1) $3 + 8 + 7 + 2 = ?$

A) 16   B) 18   C) 20   D) 30   ____

2) If today is Tuesday, what day was it yesterday?

A) Sunday   B) Monday   C) Wednesday   D) Thursday   ____

3) Find the next number in this pattern: 2, 4, 6, 8, ____

A) 9   B) 10   C) 11   D) 12   ____

4) Eesha's favourite animal, a flamingo, has two feet. Eesha saw six flamingos at the zoo. She counted all their feet. How many feet did Eesha count?

A) 12   B) 16   C) 20   D) 24   ____

5) Shane and Sean were playing in the rain. One of them is not Shane. Who is the other one?

A) Scene   B) Sean   C) Shane   D) Neither   ____

Space for rough work

6) Jenny makes a pictograph of her toy cars.
How many of Jenny's cars are red or blue?

Jenny's Toy Cars	
Colour	Number of Cars
Blue	🚗 🚗
Green	🚗
Orange	🚗 🚗 🚗
Red	🚗 🚗 🚗 🚗
Black	🚗
🚗 = 1 car	

A) 3   B) 5   C) 6   D) 7   _____

7) Jonas has several shapes. He added up all the sides and got 8. What
could the shapes be?

A) Two triangles   B) One triangle and one square   C) Three triangles   D) One square and one rectangle   _____

8) Ted the stuffed bear is sitting on a shelf with his stuffy friends. There is
one stuffy to his right, and four stuffies in total. How many stuffies are
on Ted's left?

A) 2   B) 3   C) 4   D) 5   _____

Space for rough work

9) Five friends went to the beach. All but three of them went swimming. How many of them did not go swimming?

A) 2   B) 3   C) 5   D) 8   _____

10) All 20 students in Mr. Gauss's class have pets. If 10 students have dogs, 15 students have cats, and some students have both, how many students have both?

A) 5   B) 10   C) 15   D) 25   _____

11) Mr. Venn is reading a book called *The Diagram*. If Mr. Venn finishes reading on the bottom of page 34, how many pages has he read? What is the best logical question you could ask to help you solve this problem?

A) On which page did Mr. Venn start reading?

B) On which page did Mr. Venn finish?

C) What is the name of the book?

D) Did Mr. Venn finish reading at the top or bottom of the page?   _____

12) Aneesh is going to share his long birthday cake with five friends. If Aneesh makes only parallel cuts in his cake, how many cuts will he need to make so that each person gets two pieces?

A) 5   B) 9   C) 10   D) 11   _____

Space for rough work

13) The word 'racecar' is read the same forwards as backwards. This is known as a palindrome. Which number below is also a palindrome?

A) 568876　　B) 678765　　C) 567765　　D) 785567　　____

14) Xiao has six pencils, Lee has five pencils, and Kate has four pencils. If they share all pencils equally among three of them, how many pencils would each get?

A) 4　　B) 5　　C) 6　　D) 15　　____

15) There are six gamers competing in an e-sports tournament. Each gamer plays against each other gamer once. How many games are there in total?

A) 6　　B) 12　　C) 15　　D) 30　　____

16) A pie is cut into 16 pieces. Raoul eats half of the pie, Ren eats half of the remaining pieces, and Ron eats some pie as well. If 3 pieces remain after everyone has eaten, how many pieces of pie does Ron eat?
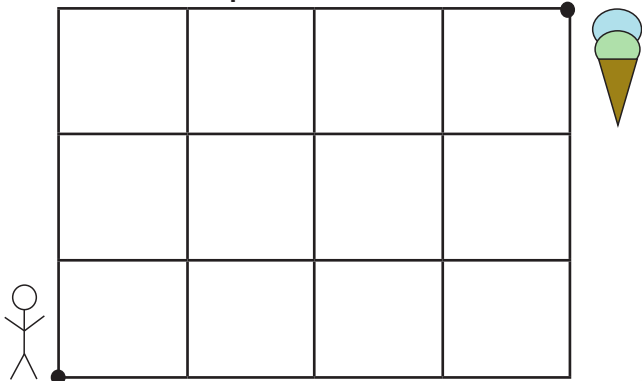
A) 0　　B) 1　　C) 2　　D) 3　　____

Space for rough work

17) Multiply the number of digits in 2023 by the number of days in a week. What is the sum of the digits of the product?

    A) 3   B) 6   C) 7   D) 10   ____

18) Tika is going to Ben's Icecream Shop. If she can only travel east (right) and north (up), how many paths can Tika take to travel to Ben's Icecream Shop?

    A) 3   B) 7   C) 21   D) 35   ____
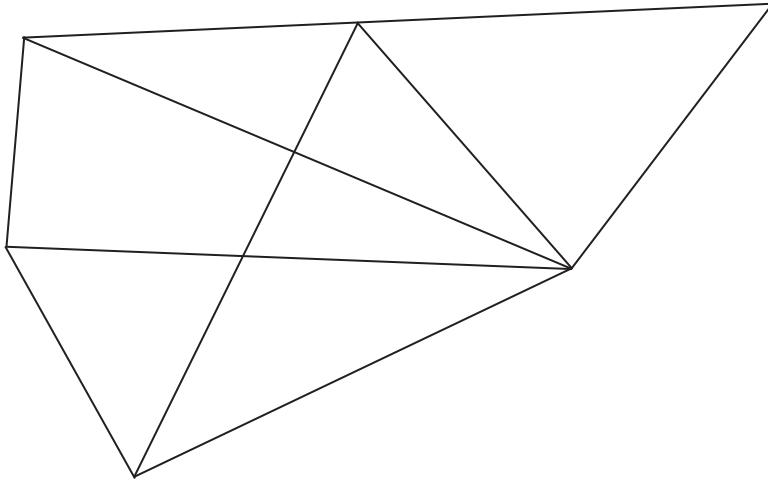
19) On Fibonaccious, a newly discovered planet, the beings speak Fibian. In Fibian, CAT STREET CLAMPS translates to A TREE LAMP. Translate SNOW PLOWS from Fibian to English.

    A) NO LOW   B) NOW LOW C) NO PLOW D) NOW PLOW   ____

Space for rough work

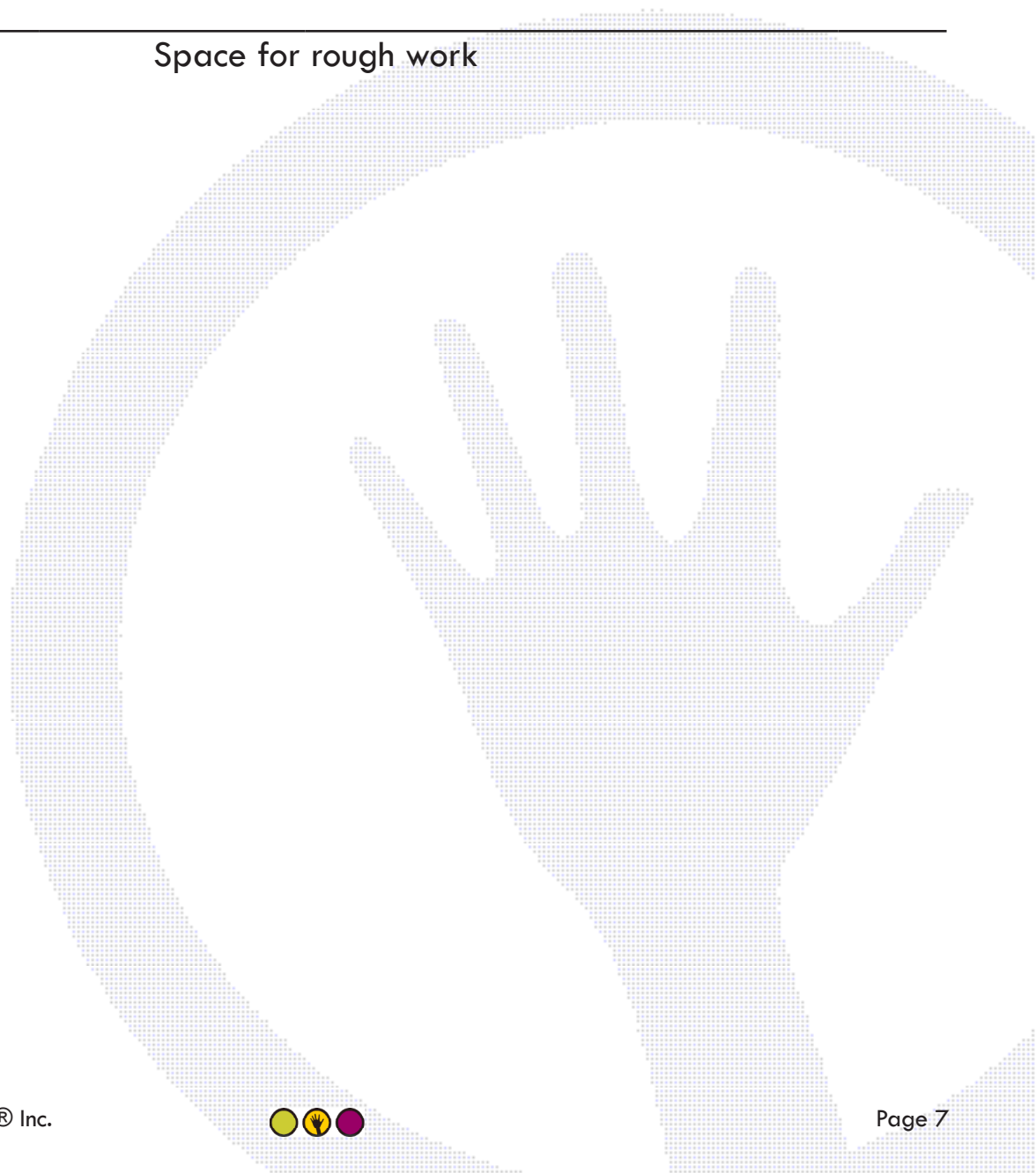20) How many triangles of all sizes are in this shape?

A) 6   B) 11   C) 12   D) 13   ____

Space for rough work

To promote co-operation, inspire confidence and **Release the Genius**® in every child.