Spirit of Math®

GRADE 4

International Spirit of Math® Contest 2026

Releasing the Genius®

INSTRUCTIONS

1. You have **45 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 and fill in the corresponding circle on the **Contest Answer Sheet**.
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:** /30

1) $47 + 91 + 49 + 63 = ?$

A) 230 B) 240 C) 250 D) 260 ____

2) What is the next number in the sequence: 1, 4, 9, 16, ____

A) 20 B) 24 C) 25 D) 36 ____

3) Which of the following numbers is **not** a factor of 81?

A) 3 B) 6 C) 9 D) 27 ____

4) Bob has 11 crayons. Joe has six less crayons than Bob. How many crayons do they have in altogether?

A) 15 B) 16 C) 17 D) 28 ____

5) What is the missing number in $9 + ___ = 6$?

A) –15 B) –3 C) 3 D) 15 ____

6) Imani planted three dozen flower seeds in her garden. Three weeks later, one-quarter of the flowers bloomed. How many flowers bloomed?

A) 3 B) 6 C) 8 D) 9 ____

7) Twenty-five students went to the school cafeteria. All but seven of them had pizza for lunch. How many students did **not** have pizza for lunch?

A) 7 B) 8 C) 18 D) 25 ____

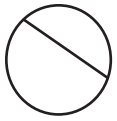
8) If all the prime numbers greater than 10 are listed from the least to greatest, which number would be in seventh place?

A) 27 B) 29 C) 31 D) 37 ____

Space for rough work

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9) A chord is a line that is drawn from any point on a circle to any other point on the same circle. Drawing one chord divides the circle into two regions. What is the **maximum** number of regions into which a circle can be divided by drawing three chords?



A) 4 B) 6 C) 7 D) 8 _____

10) In the addition question below, A, H, I, and T are different digits from 0 to 9. Which of the following can **not** be a possible value of H?

$$\begin{array}{r} HI \\ +\ HI \\ \hline TA \end{array}$$

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

11) Anwar is painting and wants to use some yellow paint. He opens a can of yellow paint and pours out three-sevenths of the can. After a while, he wants some more yellow paint, so he pours out another two-sevenths of the can. What fraction of the yellow paint is left in the can?

A) $\frac{2}{7}$ B) $\frac{3}{7}$ C) $\frac{4}{7}$ D) $\frac{5}{7}$ _____

12) Five days a week, Jasdeep walks from home to school in the morning and from school to home in the afternoon. The path between Jasdeep's home and school is 260 metres long. How many kilometres will Jasdeep walk every week between his home and school? (Hint: there are 1000 metres in 1 kilometre)

A) 0.13 km B) 0.26 km C) 1.3 km D) 2.6 km _____

13) When Hugo was 5 years old, his older brother Oliver was 19 years old. If Hugo is now 14 years old, how many times older is Oliver than Hugo?

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

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14) Theodore is at a picnic with eight friends and wants to share a long sandwich. If everyone wants two pieces, how many parallel cuts must he make?

A) 8 B) 9 C) 17 D) 18 ____

15) If you start with a dozen sides, take away the number of sides a trapezoid has, then add the number of sides a heptagon has, how many sides do you have?

A) 13 B) 14 C) 15 D) 16 ____

16) Kenji has a special nine-sided die that is numbered consecutively starting with the number one. What is the probability that Kenji will roll a number that is a perfect square?

A) $\frac{2}{9}$ B) $\frac{1}{3}$ C) $\frac{4}{9}$ D) $\frac{2}{3}$ ____

17) Sakura asked all the students in her class how many instruments they play and recorded their answers in the graph below. How many students play three or more instruments?

♪ = 2 students

Number of Instruments	
Instruments Played	Number of Students
1	♪ ♪ ♪ ♪ ♪
2	♪ ♪ ♪ ♪ ♪ ♪
3	♪ ♪ ♪
4	♪

A) 3 B) 4 C) 6 D) 8 ____

18) Amy, Bella, Carly, and Dana are participating in a race against each other. When Amy crosses the finish line, she notices that Bella finished directly in front of her. When Carly crosses the finish line, she notices that Dana finished more than one spot ahead of her. Who finished the race in second place?

A) Amy B) Bella C) Carly D) Dana ____

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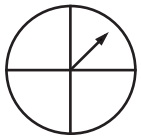
19) Maddie writes her favourite fruit using a secret code. In this secret code, the alphabet is flipped. For example, A becomes Z while Z becomes A, B becomes Y while Y becomes B, and C becomes X while X becomes C. If Maddie's favourite fruit is ORANGE, then what does she write?

Hint: Use the alphabet below to decode the message.

A-B-C-D-E-F-G-H-I-J-K-L-M-N-O-P-Q-R-S-T-U-V-W-X-Y-Z

A) LIZMSV B) LIZMSW C) LIZMTV D) LIZMTW ____

20) A spinner has four equal sections: two are green, one is yellow, and one is red. Which of the following statements is true about where the spinner can land?



A) Can not land on green B) Must land on yellow C) Can land on green D) Can not land on red ____

21) Yeji has a bag full of marbles. There are 11 red marbles, 19 yellow marbles, 14 blue marbles, 17 red-and-yellow marbles, and 12 red-and-blue marbles. Yeji wants to pick a marble that has the colour blue on it. She draws marbles one at a time without looking. What is the minimum number of marbles Yeji must draw to be certain that she has picked at least one marble with the colour blue?

A) 47 B) 48 C) 60 D) 73 ____

22) Hiroshi has written four math tests so far with an average of 72%. He is going to write a fifth test and wants his new average after five tests to be 76%. What score must Hiroshi get on the fifth test to reach this average?

A) 76% B) 80% C) 92% D) 96% ____

23) There are 37 students in a math class. Twenty-one students like doing drills and 15 students like doing mental math. Seven students like doing both. How many students don't like either drills or mental math?

A) 6 B) 7 C) 8 D) 9 ____

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24) Kai's favourite number is a three-digit palindrome. When you add 14 to this number, it becomes a perfect cube. Which of the options below could be Kai's favourite number?

A) 141 B) 131 C) 121 D) 111 ____

25) How many ways are there to arrange the letters in the word "RADAR" including the way that spell RADAR?

A) 120 B) 60 C) 30 D) 15 ____

26) Charlotte has a math exam 2 days after, 7 days before, 1 day after, 4 days before Christmas on December 25th. She also has plans to go watch a movie with her friends 5 days before, 3 days after, 1 day before, 6 days after Christmas. Which event will come first?

A) Her math exam B) Her movie plans with her friends C) They are on the same day D) Not enough information ____

27) Zara is hosting a dinner party with three of her friends: Yolanda, Xena, and Wendy. She has four chairs in a row and wants to come up with a seating plan. She does not want to sit in the first chair from the left. How many different seating plans can Zara come up with?

A) 9 B) 18 C) 24 D) 48 ____

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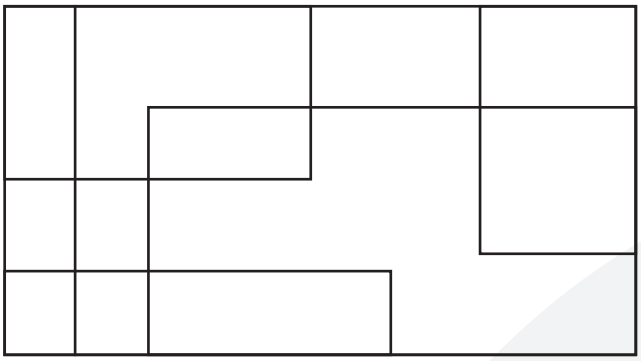
28) Lakshmi has six bracelets that are either pink or blue with 40 beads altogether. The pink bracelets have seven beads each and the blue bracelets have five beads each. How many blue bracelets does Lakshmi have?

A) 1 B) 3 C) 4 D) 5 ____

29) Alejandro is graduating from Math University! At his graduation ceremony, all the students shook hands with each other once. If there was a total of 55 handshakes, how many handshakes did Alejandro make?

A) 10 B) 11 C) 54 D) 55 ____

30) How many rectangles of all sizes can be found in this diagram?



A) 23 B) 24 C) 25 D) 26 ____

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

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