



Spirit of Math.

Releasing the Genius®

GRADE 4

International Spirit of Math Contest 2025

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 SoM 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) $59 + 47 - 9 - 17 = ?$
 A) 60 B) 70 C) 80 D) 90 _____
- 2) Aaron wants to donate his children's books equally to the three libraries in his district. If Aaron has 27 children's books, how many children's books can he donate to each library?
 A) 3 B) 9 C) 10 D) 13 _____
- 3) Yolana rounded her favourite number to the nearest hundred, resulting in 5600. Which of the following could be Yolana's favourite number?
 A) 5595 B) 5695 C) 55 950 D) 56 950 _____
- 4) $25 \div 7 \times 14 \div 5 =$
 A) 4 B) 7 C) 10 D) 11 _____
- 5) Use the letter to decode the answer to the riddle below.
 What is the value of A?
- $$\begin{array}{r} A2 \\ + 13 \\ \hline 75 \end{array}$$
- A) 3 B) 4 C) 5 D) 6 _____
- 6) Shia has a collection of 17 Transformers toys. All but eight of his Transformers are red. How many Transformers are red?
 A) 8 B) 9 C) 11 D) 12 _____

Space for rough work

- 7) What is one-quarter of one-half of 1200?
A) 150 B) 300 C) 450 D) 600 _____
- 8) Maria is eleven years older than Gabriela. Adrian is half the age of Gabriela. If Maria is 25, how old is Adrian?
A) 7 B) 11 C) 14 D) 15 _____
- 9) You saw a log of wood into 12 pieces making parallel cuts. If each parallel cut takes 1 minute to cut, how many minutes will this take?
A) 24 B) 12 C) 11 D) 6 _____
- 10) My birthday is two days after the day before Canada Day. If Canada Day is on July 1st, my birthday is on?
A) June 30 B) July 1st C) July 2nd D) July 3rd _____
- 11) Avril's birthday is on September 27. If her birthday is in two weeks and 3 days from today, what is today's date?
A) Sept 9 B) Sept 10 C) Sept 13 D) Sept 24 _____
- 12) Irene has five 25 dollar bills and three times as many 10 dollar bills. How much money does she have in total?
A) \$155 B) \$267 C) \$275 D) \$375 _____
- 13) Find the missing term in the equation: $6 \times 7 = 9 + \underline{\hspace{1cm}}$.
A) 32 B) 33 C) 34 D) 35 _____

Space for rough work

- 14) Gavin has to paint some consecutive school lockers over summer break. He knows that consecutive numbers are numbers that follow each other in order, without gaps (for example: 3, 4, 5, 6). Gavin painted all the lockers numbered consecutively from 11 to 38. How many lockers did he paint?
 A) 27 B) 28 C) 29 D) 30 _____
- 15) You and your best friend live on Jupiter's moons. You are on the moon Io and your best friend is on Europa, 255,000 kilometers away. If you travel 100,000 km in your spaceship directly toward your best friend, and your best friend travels 55,000 km directly toward you, how far apart are the two of you?
 A) 55,000 km B) 100,000 km C) 155,000 km D) 200,000 km _____
- 16) The perimeter of the classroom is 60 metres. If the length is twice the width, then the width is:
 A) 10 metres B) 15 metres C) 20 metres D) 25 metres _____
- 17) The sum of a number and its square is 210. What is the number?
 A) 13 B) 14 C) 15 D) 16 _____
- 18) How many ways can you rearrange the letters in the word LIGHT, including the way that spells LIGHT?
 A) 119 B) 120 C) 159 D) 160 _____
- 19) At Billy Bonka's Factory, an Exploding Toffee is made every 14 minutes and a Scrumpyumlicious Bar is made every 21 minutes. If an Exploding Toffee and Scrumpyumlicious Bar are both made at 7:30 am, how long does it take until they are made together again?
 A) 21 min B) 28 min C) 42 min D) 94 min _____

Space for rough work

- 20) June is choosing what shirt to wear for school. She has 8 black, 3 pink, 9 blue, 10 red and 6 white shirts. Without looking, she reaches her hand into her drawer to pick out a shirt. How many shirts does she need to take out to be sure she has taken out at least one red shirt?
A) 10 B) 13 C) 27 D) 36 _____
- 21) Claude wants to finish his final dance recital with a score of 10. If he received an average of 9.5 on his first two dance recitals, what score does he need on his third and final dance recital to achieve his goal?
A) 9 B) 10 C) 11 D) 12 _____
- 22) If 12 chocolate bars cost \$1.44, then 20 chocolate bars cost
A) \$3.60 B) \$2.40 C) \$2.24 D) \$2.12 _____
- 23) If 7 frogs can skip on 14 lily pads in 2 hours, how long will it take 14 frogs to skip on 84 lily pads?
A) 6 hours B) 12 hours C) 18 hours D) 24 hours _____
- 24) Donald has a lot of two-wheeled toy motorbikes and four-wheeled toy cars! If there are a total of 23 toys and 68 wheels amongst his toys, how many toy motorbikes does he have?
A) 9 B) 10 C) 11 D) 12 _____
- 25) Akua has 90 Mancala stones. Akua's cousin Amara has 11 Mancala stones more than Akua. Akua's cousin Abena has 82 Mancala stones. What is the average of the Mancala stones of Akua, Amara, and Abena?
A) 36 B) 89 C) 91 D) 273 _____

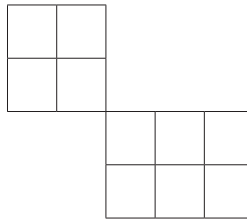
Space for rough work

- 26) All the 391 students at Squeaks and Squawks Junior High play the bagpipes, the drums, and the French horn. Fourteen play only the bagpipes, 280 play the drums, and 16 play both the bagpipes and the drums. All others play only the French horn, and no French horn player plays another instrument. How many play only the French horn?

A) 294 B) 264 C) 107 D) 97 _____

- 27) Divya was walking to the Diwali Festival from her house to the Mumbai city center. She was walking south and east following a 2×2 grid and a 2×3 grid. How many ways could Divya take to get to the Mumbai city center?

Divya's house



Mumbai city center

A) 120 B) 60 C) 24 D) 16 _____

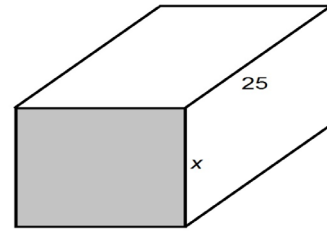
- 28) The Xu Family has five children aged 1, 3, 5, 7 and 9 years old. Adeline is not the oldest nor the youngest. Bianca is two years apart from Constance. Adeline and Daria are four years apart. Elena is four years older than Constance. Daria is older than Elena. How old is Adeline?

A) 1 B) 3 C) 5 D) 7 _____

Space for rough work

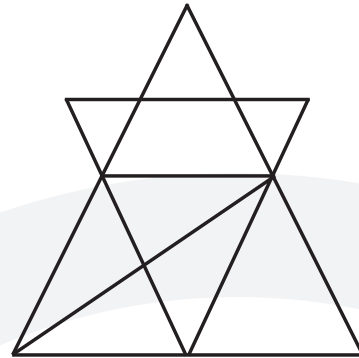
- 29) The volume of this rectangular solid with integer side lengths is 400 cm^3 . One of the dimensions of the solid is "x".

If one side is 25 cm, what is the possible value of x?



- A) 3 cm B) 4 cm C) 6 cm D) 12 cm _____

- 30) How many triangles of all sizes are in this diagram?



- A) 15 B) 17 C) 19 D) 21 _____

Space for rough work



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confidence and
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in every child.

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