Spirit of Math®

Releasing the Genius ®

GRADE 1

Spirit of Math
International Contest 2020

In collaboration with SMILE developed by Stanford University

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 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:**   /20
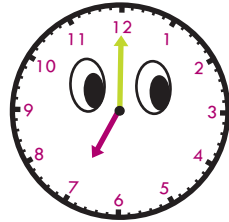
1) $5 + 2 + 5 + 8 = ?$

   A) 10   B) 20   C) 30   D) 40   _____

2) How many days are there in one week?

   A) 5   B) 7   C) 9   D) 10   _____

3) What time is shown on the clock?

   A) 5:00   B) 6:00   C) 7:00   D) 8:00   _____

4) $5 - 5 + 5 - 5 + 5 - 5 + 5 = ?$

   A) 0   B) 5   C) 10   D) 15   _____

5) If today is May 9th, what was the date two days ago?

   A) May 6th   B) May 7th   C) May 8th   D) May 10th   _____

6) Barney baked 20 cookies. His sister was hungry and ate 13 cookies. How many cookies did Barney have left?

   A) 7   B) 9   C) 13   D) 20   _____

Space for rough work

7) What is the smallest number? 2, 1, 0, or −1

A) 2 B) 1 C) 0 D) −1 _____

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

A) 2 triangles B) 2 squares C) 2 rectangles D) 1 triangle _____
                                                    and 1 square

9) Russell has two candies: a jellybean and a lollipop. One of them is not a jellybean. What is the other one?

Jellybean Lollipop

A) Gum drops B) Jellybean C) Licorice D) Lollipop _____

10) How many flat surfaces (faces) does this shape have?
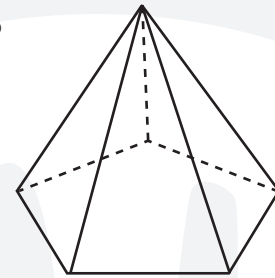
A) 5 B) 6 C) 10 D) 12 _____

_____

Space for rough work

11) Which of the following numbers is the largest?
    A) 2723   B) 7232   C) 2273   D) 7322   _____

12) What number comes next in this pattern: 4, 6, 9, 13, ___
    A) 15   B) 18   C) 19   D) 20   _____

13) For his birthday, Justin received a huge chocolate bar
    that he wants to share with 6 of his friends by
    making parallel cuts. How many cuts will Justin
    need to make so each person receives one piece?
    A) 4   B) 5   C) 6   D) 7   _____
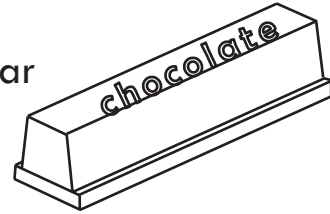
14) I am a number not outside the circle
    and I am not inside the triangle. I am
    inside the rectangle. What number
    am I?
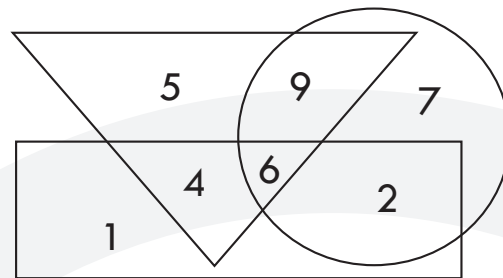
    A) 2   B) 6   C) 7   D) 9   _____

_____

Space for rough work

15) Here are two faces: one of them is David and the other is Andrew. If one is not Andrew's face, whose face is the other? What is the best question to ask to help you logically solve this problem?

A) What are their names?

B) How many people are there?

C) Where is David's face?

D) Which one is not Andrew's face?

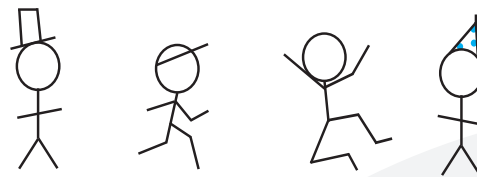David   Andrew   _____

16) Darrin, Roland, Nathan, and Jim are lined up at the candy store. Nathan is third in line. Jim is between Nathan and Darrin. Who is last in line?

A) Roland   B) Darrin   C) Nathan   D) Jim   _____

17) Aaron is 3 years older than Mikey. Mikey is 2 years younger than Alex. Alex is 11 years old. How old is Aaron?
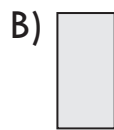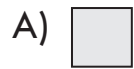
A) 10   B) 12   C) 14   D) 18   _____

_____
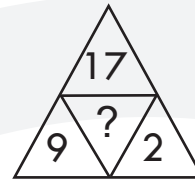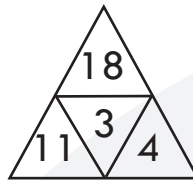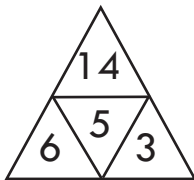
Space for rough work

18) Three of the shapes below are each used once to make this new shape:
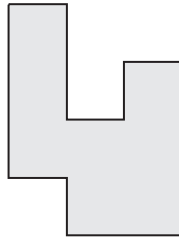
Which shape is NOT used?

A)   B)   C)   D)   _____
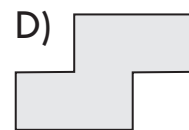
19) What number is missing from the last triangle?
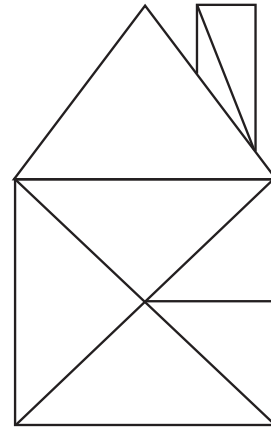

A) 4   B) 6   C) 7   D) 8   _____

Space for rough work

20) How many triangles of all sizes are in the diagram?

A) 10   B) 11   C) 13   D) 14   ____

Space for rough work

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