Grade One Mathematics Contest 2019

Instructions

1. You have **30 minutes** to write the contest.
2. The contest is multiple-choice with four choices for each question. Write the CAPITAL letter of the answer you choose on the line to the right of each question.
3. Each question answered correctly is worth one mark, and the sum of the correct answers is the score.
4. Marks are not taken off for wrong answers.
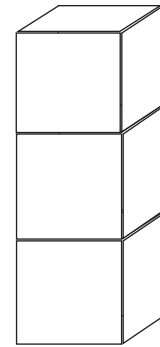5. No calculators or other counting tools are allowed.

Student Name: _____

Score: /20

1) $5 + 8 + 5 + 7 + 2 + 3 =$
   A) 10   B) 20   C) 25   D) 30   _____

2) How many hours are in one day?
   A) 12   B) 24   C) 30   D) 48   _____

3) What comes next in the pattern? 10, 15, 20, 25, 30, __
   A) 30   B) 35   C) 40   D) 45   _____

4) $32 + 2 + 2 + 2 - 2 - 2 - 2 + 2 + 2 - 2 =$
   A) 20   B) 30   C) 34   D) 36   _____

5) How many different digits are used to write the number 5250?
   A) 1   B) 2   C) 3   D) 4   _____

6) Vikasini cuts a loaf of bread into 12 slices. How many parallel cuts
   does she need to make?
   A) 11   B) 12   C) 13   D) 14   _____

7) A bug sits on the edge of a ruler at 1 cm. It moves to 4 cm and then
   moves 1 cm towards zero. What number on the ruler is the bug at
   now? (A ruler is another word for scale.)
   A) 0 cm   B) 1 cm   C) 2 cm   D) 3 cm   _____

8) I am a number. Half of me is three. What number am I?
   A) 2   B) 6   C) 12   D) 24   _____

9) Twelve children went out for dinner. All like sushi or hamburgers or
   both. Seven like sushi, 10 like hamburgers, and some like both sushi
   and hamburgers. How many children like both types of food?

   A) 5   B) 7   C) 9   D) 12   _____

10) Mr. Ng likes his pencils sharp! He is sad to see that all but 3 of his 20
    pencils are NOT sharp. How many pencils are NOT sharp?
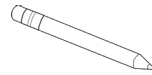   A) 3   B) 5   C) 17   D) 20   _____

11) There are 3 blocks stacked on top of each other. Each block is a different colour: one is red, one is blue, and one is yellow. The blue and red blocks are not touching each other. The blue block is not on the top. Which block is on the top?
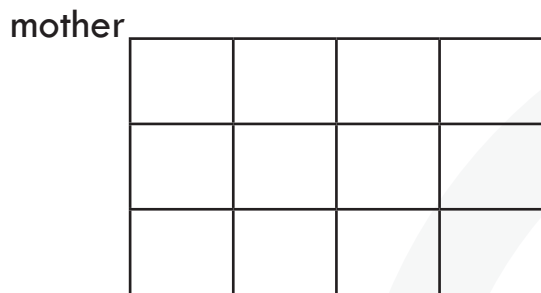
A) Blue   B) Green   C) Red   D) Yellow   _____

12) Suhana has a ball and a pencil. One of them is not the ball. What is the other one?

A) The binder   B) The marker   C) The pencil   D) The ball   _____

13) Sherry is going to visit her mother. How many different paths can Sherry take if she travels on a 3 × 4 grid and can only go north (up) and west (left)?

mother
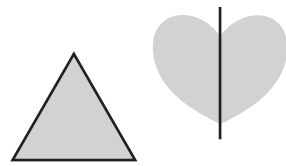
Sherry

A) 35   B) 40   C) 124   D) 126   _____

14) Kevin's birthday is one week after three days before Jane's birthday. Jane's birthday is on March 20th. When is Kevin's birthday?
A) Feb 28th   B) March 16th   C) March 17th   D) March 24th   _____

15) In this picture, the heart is divided into two parts such that one part is the mirror image of the other. The dividing line is called the line of symmetry. How many lines of symmetry does this triangle have?
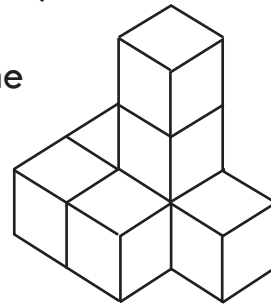
A) 1   B) 2   C) 3   D) 4   _____

16) Farmer Farah has a farm with only cows with four feet and ducks with two feet. One day she washed all her animals and counted 5 heads and 16 legs. How many cows does Farmer Farah have?

A) 1   B) 2   C) 3   D) 4   _____

17) Seven blocks have been glued together (as shown in the picture). How many blocks have more than one face that have glue on them?

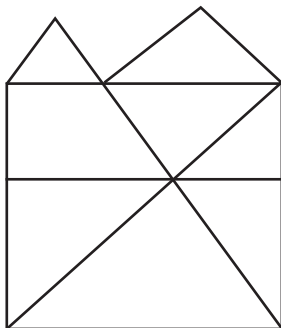A) 3   B) 4   C) 5   D) 6   _____

18) Chef Omar is packaging muffins for sale. He made 32 muffins and will make packages with six muffins in each. How many full packages can he make?

A) 3   B) 4   C) 5   D) 6   _____

19) Nate baked some cookies. He put them in the oven at 11:30 a.m., and took them out 45 minutes later. What time did he take them out of the oven?

A) 11:45 a.m.   B) 12:00 p.m.   C) 12:15 a.m.   D) 12:15 p.m.   _____

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

A) 5   B) 6   C) 9   D) 11   _____