



Spirit of Math[®]

s c h o o l s

February 2015 Grade Two Mathematics Contest

Please observe the following 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 are allowed.

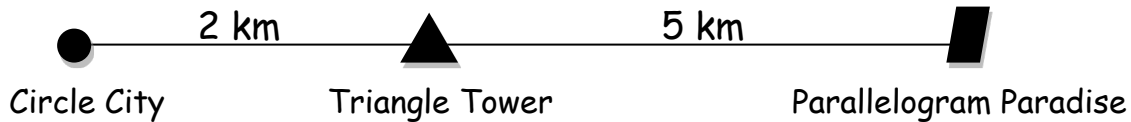
Student Name: _____

Score: / 20

1) $5 + 23 + 15 + 7 =$

- A) 20 B) 30 C) 40 D) 50

2) What is the total distance in km between Circle City and Parallelogram Paradise?



- A) 3 km B) 5 km C) 7 km D) 9 km

3) Jesmina found 3 gloves in the school lost and found! She counted all of the fingers on the gloves, including the thumbs. How many fingers did she count?

- A) 3 B) 5 C) 10 D) 15

4) Andrew went to the carnival and played the ring toss game. He won two points on his first throw, then four points on his second throw, and then six points on his third throw. Following the pattern of increasing points, how many points will he get on the next throw?

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

5) Seven friends wanted to share a chocolate bar. How many parallel cuts do they have to make so that each person gets a piece?

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

6) One hundred boys went to a birthday party! All but 3 brought a present. How many brought a present to the birthday party?

- A) 3 B) 97 C) 100 D) 103

7) Maria baked 4 pizzas. She served half of the food to her hungry brothers. How much pizza did her brothers eat?

- A) 2 whole pizzas B) $1\frac{3}{4}$ of a pizza C) $1\frac{1}{2}$ of a pizza D) 1 whole pizza



8) At Peter's Peculiar Pet store, Peter sells only rabbits and birds. On Tuesday, he counted 5 heads and 16 legs. How many rabbits did he have in his pet store on Tuesday?

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



9) For the school bake sale, you are in charge of making packages of cookies. You start with 34 cookies, and you must put 4 cookies in every package. If there are any extra cookies, you can eat them! How many cookies do you get to eat?

- A) 0 B) 1 C) 2 D) 3

10) Emily was counting down until her birthday, which is two days after, three days before June 25th. When is her birthday?

- A) June 26 B) June 25 C) June 24 D) June 23

11) Fisherman Fred started reading his book "How to Catch a Big Fish" at the top of page 20 and read to the end of the book at the bottom of page 30. How many pages did he **not** read?

- A) 7 B) 9 C) 11 D) 19

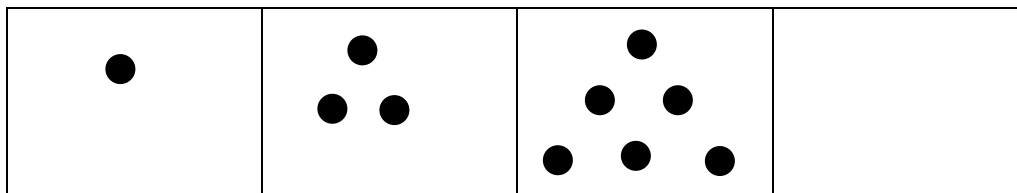
12) There are 6 skaters competing at a skating tournament. Each skater shakes hands with each other **once**. How many handshakes are there in total?

- A) 18 B) 15 C) 12 D) 6

13) At the carnival, all of the 29 Spirit of Math students were excited to eat ice cream and cotton candy! Eighteen students ate cotton candy, and 15 students ate ice cream. How many students ate both?

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

14) Following the pattern, how many dots will there be in the next box?



- A) 6 B) 7 C) 8 D) 10



15) Arish has \$1 in coins and gave two quarters and one nickel to his little brother. How much money does he have left?
 A) 40¢ B) 45¢ C) 50¢ D) 55¢ _____

16) The sum $799 + 199$ is closest to which of the following?
 A) $700 + 100$ B) $800 + 100$ C) $800 + 200$ D) $700 + 200$ _____

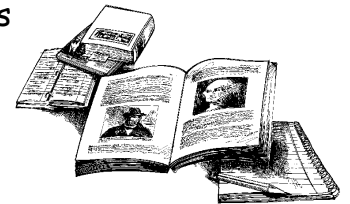
17) My lucky number is a two-digit palindrome that is divisible by three. Which of the following could my lucky number be?
 A) 11 B) 27 C) 33 D) 55 _____

18) Raya decides to read as many books as she can in one week. She has two ideas.

Idea #1: Read five books each day.

Idea #2: Read one book on the first day, two books on the second day, three books on the third day, and so on until the last day.

Which idea will allow her to read the most books in seven days?



A) Idea #1 B) Idea #2 C) Both the same D) Impossible to tell _____

19) This year I am twice as old as my brother. Last year my brother was 8 years old. How old am I this year?
 A) 14 B) 16 C) 17 D) 18 _____

20) How many triangles of all sizes are in the diagram to the right?
 A) 9 B) 11 C) 14 D) 15 _____

