February 2016
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) 7 + 25 + 3 – 5 =

    A) 30   B) 50   C) 70   D) 100

    _____

2) How many sides do a pentagon and a triangle have in total?

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

    _____

3) Mamma bear is cutting up a fish for her six baby bear cubs. How
    many parallel cuts will she have to make for every cub to have a
    piece?

    A) 5   B) 6   C) 7   D) 8

    _____

4) Rosie invited all 27 of her classmates to her birthday party. All but 7 of her
    classmates went. How many classmates were at the party?

    A) 7   B) 20   C) 27   D) 31

    _____

5) Sleepy Sally usually goes to sleep at 8:30 p.m. every night. On
    Friday she went on a play date with Tracy and went to sleep 1 hour
    and 45 minutes later than usual. What time did Sally go to sleep?

    A) 8:45 p.m.   B) 10:15 p.m.   C) 10:45 p.m.   D) 11:15 p.m.

    _____

6) On February 14, the temperature was –25 degrees! The next day, it rose 5
    degrees, then dropped 10 degrees. What was the final temperature?

    A) –30 degrees   B) –20 degrees   C) –10 degrees   D) 0 degrees

    _____

7)   Leonardo has two friends, John and Peter. One of his friends is not John. Who is
    the other one?

    A) Leonardo   B) John   C) Peter   D) Fibonacci

    _____

8) How many hours are there in half a day?

    A) $\frac{1}{2}$ B) 6   C) 12   D) 18

    _____

9) What is two days after one day after three days before Sunday?

    A) Monday   B) Wednesday   C) Friday   D) Sunday

    _____

10) Abigail was in line at the movie theatre to buy tickets for a movie. There was one person in front of her and 8 people behind her. How many people in all were waiting in line at the theatre?

A) 7   B) 8   C) 9   D) 10

11) Late one night, Archimedes saw some owls (with 2 legs each) and some mice (with 4 legs each). If he counted 8 heads and 22 legs, how many owls did he see?

A) 5   B) 8   C) 11   D) 14

12) The rabbits below have been turned, but only one is the same as this one: Find the one that is exactly the same.

A)   B)   C)   D)

13) When Abby brought her book home from the library, she discovered that the first 5 pages were blank! If the last page in the book was numbered 59, how many pages in her book were not blank?
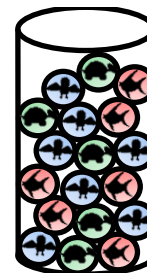
A) 53   B) 54   C) 55   D) 64

14) The word 'racecar' can be read either forwards or backwards. This is known as a palindrome. Which number below is also a palindrome?

A) 123432   B) 234234   C) 368683   D) 489984

15) Sarah created a secret code using pictures to represent numbers. In Sarah's code, ☺ = 1, ❏ = 2, ♫ = 3, 📖 = 4, and ❀ = 5. What does 📖 × ❏ + ♫ − ☺ + ❀ equal?

A) 5   B) 10   C) 15   D) 20

16) Marty has a jar of 18 marbles. There are 7 marbles with birds on them, 6 with fish, and 5 with turtles. If he cannot see the marbles inside the jar, how many marbles must Marty remove from his jar so that he can be sure he has taken out a marble with a fish on it?
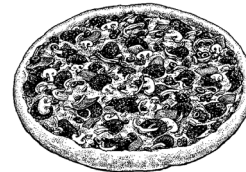

A) 11   B) 12   C) 13   D) 14

17) Charles, Bernard and Albert are brothers. Charles is 5 years younger than Bernard. Bernard is 8 years older than Albert. Albert is 4 years old. How old is Charles?
A) 4   B) 5   C) 6   D) 7

18) A pizza is cut into slices that are all the same size. Euclid ate one half of the pizza. Newton ate one half of what was left over. If Newton ate two pieces of pizza, how many pieces of pizza were there to begin with?
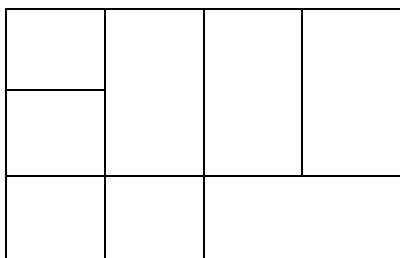A) 4   B) 8   C) 12   D) 16

19) Stella painted some of her fingernails and toenails with nail polish. She painted 13 nails with green polish, 10 nails with pink polish and 6 nails with both green and pink polish. Some nails were not painted with either green or pink polish. How many nails were not painted with either colour?
A) 3   B) 4   C) 5   D) 6

20) How many rectangles of all sizes are in the picture below?

A) 4   B) 8   C) 20   D) 25