# Calgary Elementary School Mathematics Contest 

April 25, 2012

LEVEL-1 CONTEST

First Name: $\qquad$

Last Name: $\qquad$

School:

| MARKERS USE ONLY |  |
| :---: | :---: |
| Part A |  |
| $\times 5$ |  |
| Part B |  |
| $\times 6$ |  |
| Part C |  |
| $\times 8$ |  |
| Total |  |

PART A: Circle the correct answer. Each correct answer is worth 5 points.

1. $15+25+35+45+55=5+15+25+35+45+?$
(a) 10
(b) 30
(c) 50
(d) 70
2. $2 \times 1000+1 \times 10+2 \times 1=$ ?
(a) 212
(b) 2012
(c) 2102
(d) 2120
3. Which of the following is the greatest number?
(a) $2+0+1+2$
(b) $2 \times 0 \times 1 \times 2$
(c) $(2+0) \times(1+2)$
(d) $(2 \times 0)+(1 \times 2)$
4. The next number in the sequence $1,1,2,3,5,8,13, \ldots$ is
(a) 15
(b) 17
(c) 19
(d) 21
5. $(3+4)^{2}=$ ?
(a) 49
(b) $3^{2}+4^{2}$
(c) 14
(d) 9
6. There are 10 chickens and 5 sheep in a cage. How many legs are there?
(a) 15
(b) 30
(c) 40
(d) 60
7. A toy that I bought cost me 2 toonies, 3 loonies, 4 quarters and 15 nickels. I could have paid with $\qquad$ quarters.
(a) 24
(b) 35
(c) 38
(d) 47
8. I bought some candies on Friday. I ate half of them right away, and ate 10 more on Saturday. There were only 5 left for Sunday. How many candies did I buy?
(a) 20
(b) 25
(c) 30
(d) 35
9. In a race competition, I finished 5th. I was also 5th when counted from the last. If there were no ties, how many kids were in the race?
(a) 8
(b) 9
(c) 10
(d) 11
10. Mary has 41 cents in coins. No two coins have the same value. How many coins does Mary have?
(a) 4
(b) 5
(c) 6
(d) 7

PART B: Circle the correct answer. Each correct answer is worth 6 points.
11. In what month does the 200th day of the year occur?
(a) May
(b) June
(c) July
(d) August
12. Note that $2 \times 3 \times 4 \times 5 \times 10=1200$. This has two zero-digits. How many zero-digits are there in the product $20 \times 30 \times 40 \times 50 \times 100$ ?
(a) 2
(b) 5
(c) 6
(d) 7
13. A triangle can intersect a circle in at most
(a) 2 points
(b) 4 points
(c) 6 points
(d) 8 points
14. Which of the following is not a prime number?
(a) 41
(b) 51
(c) 61
(d) 71
15. Bob is 14 years old, and his sister Mary is half of that, i.e. 7 years old. How old will Bob be when Mary is 14 years old?
(a) 14
(b) 21
(c) 28
(d) 35

PART C: Circle the correct answer. Each correct answer is worth 8 points.
16. How many triangles are in the figure?
(a) 13
(b) 12
(c) 10
(d) 9

17. In the following picture, $\mathrm{AC}=25 \mathrm{~cm}, \mathrm{BD}=20 \mathrm{~cm}$, and $\mathrm{AD}=40 \mathrm{~cm}$. What is the length of BC ?

(a) 5 cm
(b) 6 cm
(c) 9 cm
(d) 10 cm
18. If two whole numbers have a sum of 13 and difference of 1 , what is their product?
(a) 12
(b) 13
(c) 14
(d) 42
19. Anne had an average of exactly 88 after taking two tests. What score should she get on her third test so that the average of her three tests will be exactly 90 ?
(a) 90
(b) 92
(c) 94
(d) 96
20. The city of Calgary is planning to have five bus stops at equal distance intervals on a section of a road that is 6 kilometers long. There must be stops at each end of the road section. What will be the distance between any two consecutive stops?
(a) 2 km
(b) 1.5 km
(c) 1.2 km
(d) 1 km

