



Second Annual
Calgary Elementary School
Mathematics Contest
April 24, 2013

LEVEL-1 CONTEST

Instructions:

- Write your name, etc. on the separate answer sheet.
- You have 50 minutes to answer the 20 questions.
- Record your answer for each question on the separate answer sheet.
- There is no penalty for incorrect answers, so answer every question.
- Good luck!

Sponsors:



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PART A: Record the correct answer on the separate answer sheet. Each correct answer is worth **5 points**.

1. $1000 - 500 + 300 - 200 + 100 - 10 =$

- (a) 600 (b) 690 (c) 700 (d) 790

2. The smallest number in the list {1.010, 1.001, 1.101, 1.100} is

- (a) 1.010 (b) 1.001 (c) 1.101 (d) 1.100

3. Judy ate $\frac{3}{4}$ of a 240 gram chocolate bar. How many grams of chocolate did she eat?

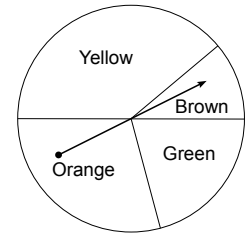
- (a) 60 g (b) 80 g (c) 180 g (d) 320 g

4. On Monday morning there are 50 birds. They double in number every day. How many birds are there on Friday morning?

- (a) 200 (b) 400 (c) 800 (d) 1600

5. If the arrow is spinning, on which color is it most likely to stop?

- (a) Yellow
(b) Orange
(c) Green
(d) Brown



6. The numbers 18, 27, 36, 54 and 72 are all multiples of

- (a) 6 (b) 9 (c) 12 (d) 18

7. How many hours are there in one week?

- (a) 7 (b) 24 (c) 140 (d) 168

8. John has one quarter, two dimes, three nickels and four pennies. How much money does John have?

- (a) 4 cents (b) 10 cents (c) 36 cents (d) 64 cents

9. My wall clock shows that the time now is 07:26. What will be the time shown on my wall clock after exactly 3 hours and 35 minutes?

- (a) 10:01 (b) 10:11 (c) 11:01 (d) 11:11

10. I work 8 hours per day and 5 days per week. If I make \$500 in a week, how much do I make in 1 hour?

- (a) \$12.50 (b) \$13.00 (c) \$13.50 (d) \$14.00

PART B: Record the correct answer on the separate answer sheet. Each correct answer is worth **6 points**.

11. Nine apples are worth the same as six pears. Fifteen apples are worth the same as how many pears?

(a) 10 (b) 11 (c) 12 (d) 13

12. Carlos shared $\frac{3}{4}$ of a kilogram of jelly beans with 6 friends equally. How many grams of jelly beans did each friend get?

(a) 100g (b) 125g (c) 150g (d) 180g

13. A square has area of 10 m^2 . If each side is doubled, then the area of the new square is

(a) 20 m^2 (b) 30 m^2 (c) 40 m^2 (d) 50 m^2

14. Mary has 20 dolls. Sarah has 64 dolls. Sarah gives Mary 25% of her dolls. How many dolls does Mary have now?

(a) 18 (b) 28 (c) 32 (d) 36

15. There are 32 teams in a soccer tournament. A team is eliminated if it loses a game. No games are tied. How many games must be played in the tournament for the winner to be determined?

(a) 15 (b) 16 (c) 31 (d) 32

PART C: Record the correct answer on the separate answer sheet. Each correct answer is worth **8 points**.

16. You have two black dogs, two gray dogs and one white dog. How many ways can you pick three different color dogs to take for a walk?

(a) 2 (b) 3 (c) 4 (d) 5

17. Pan is now 3 times as old as Charley, and half as old as Ashok. Ashok is how many times Charley's age?

(a) 3 (b) 4 (c) 6 (d) 9

18. A pilot flies 1200 m below the clouds. Another plane at a lower altitude flies 1800 m above the ground. The clouds are 4000 m above the ground. What is the difference in altitudes between the two planes?

(a) 600 m (b) 1000 m (c) 1500 m (d) 1800 m

19. An aquarium is half filled with water. Every minute 100 ml of water is pumped into the aquarium. It takes 2 hours to fill the aquarium. What is the capacity of the aquarium?

(a) 12 L (b) 18 L (c) 24 L (d) 30 L

20. How many 3's are there in the list of numbers between 1 and 200?

(a) 19 (b) 20 (c) 38 (d) 40