



**Tenth Annual  
Calgary Elementary School  
Mathematics Contest**  
April 27, 2022

**LEVEL-1 CONTEST**

**Instructions:**

- 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. The second largest number in the set of numbers  $\{0.3, 0.9, 0.18, 0.27, 0.081\}$  is  
(a) 0.9      (b) 0.27      (c) 0.3      (d) 0.18
2.  $(2 + 3 + 4 + 5 + 6) - (6 + 5 + 4 + 3 + 2) =$   
(a) 0      (b) 5      (c) 1      (d) 4
3. If you buy a pack of a dozen pears it costs \$4.30. If you buy a single pear it costs 40 cents. How much do you save if you buy a pack of a dozen pears?  
(a) 40 cents   (b) 50 cents   (c) 60 cents   (d) 70 cents

4. What is one half of one sixth of 60?  
(a) 3      (b) 5      (c) 6      (d) 7
5. On Tuesday morning there are 40 birds. They double in number every day. How many birds are there on Saturday morning?  
(a) 120      (b) 240      (c) 320      (d) 640
6. How many hours are there in two weeks?  
(a) 336      (b) 280      (c) 200      (d) 140
7. A Pythagorean triple is a set of three whole numbers where the sum of the squares of two of them is equal to the square of the third number. For example 3, 4, 5 is a Pythagorean triple because  $3^2 + 4^2 = 9 + 16 = 25 = 5^2$ . Which of the following sets is a Pythagorean triple?  
(a) 4, 5, 6   (b) 5, 12, 13   (c) 7, 9, 11   (d) 4, 7, 8
8. Which of the following is the greatest number?  
(a)  $3 + 1 + 0 + 2$       (b)  $3 \times 1 \times 0 \times 2$   
(c)  $(3 \times 1) + (0 \times 2)$       (d)  $(3 + 1) \times (0 + 2)$
9. I bought some candies on Friday. I ate half of them that day and I ate 11 more on Sunday. Afterwards I had 6 candies left. How many candies did I buy?  
(a) 22      (b) 30      (c) 34      (d) 36
10. I finished in 6th place in a race. I was also 6th when counted from the last. If there were no ties, how many kids were in the race?  
(a) 9      (b) 10      (c) 11      (d) 12

