

**Online Math League**  
**2009 – 2010 Third Grade Contest #1**

Student Name \_\_\_\_\_

Date \_\_\_\_\_

Rules: You have 30 minutes to complete this test. You must work by yourself and you may not use a calculator. Each question has just one correct answer. Do your best!

1. Jon and George each bought a large bag of M&M candies. They each dumped out their bag and counted the candies. Jon's bag had 86. George's bag had 105. How many M&M candies did they have all together?

- A. 190      B. 191      C. 192      D. 241      E. 965

2. What number comes next in the following pattern?

6, 12, 9, 15, 12, 18, 15, 21, 18, \_\_\_\_\_

- A. 24      B. 15      C. 21      D. 10      E. 48

3. Sara is allowed to play with her friends for two hours each day. If she has already been playing with her friends for 35 minutes, how many more minutes is Sara allowed to play with her friends today?

- A. 65      B. 85      C. 95      D. 115      E. 165

4. Jane is six inches taller than her younger sister, Molly. Molly is three feet, 9 inches tall. How tall is Jane?

- A. 4 feet, 0 inches      B. 4 feet, 1 inch      C. 4 feet, 2 inches  
D. 4 feet, 3 inches      E. 4 feet, 4 inches

5. Which of the following is the correct way to write the number four thousand sixty?

- A. 4,000,060      B. 40,060      C. 4,016      D. 4,006      E. 4,060

6. Lola and Lily were playing a board game. Lola rolled an eight-sided die and it landed on the number three, so she got to move her game piece three spaces every time it was her turn. Lily rolled the die and it landed on the number eight so she got to move her game piece eight spaces every time it was her turn. Which of the following spaces did both girls land their game piece on?

- A. 16<sup>th</sup> space      B. 18<sup>th</sup> space      C. 20<sup>th</sup> space  
D. 24<sup>th</sup> space      E. 30<sup>th</sup> space

7. Round the answer to the nearest ten.       $25 + 19 = ?$

- A. 30      B. 40      C. 50      D. 60      E. 44

8. Mr. Smith brought ten donuts to work for everyone to eat. Joe ate three of those donuts. What fraction of the donuts did Joe eat?
- A.  $\frac{3}{10}$       B.  $\frac{2}{10}$       C.  $\frac{3}{8}$       D.  $\frac{10}{3}$       E.  $\frac{1}{5}$
9. Which of the following is worth the least?
- A. two quarters and two dimes      B. two quarters, one dime, and a nickel  
 C. one quarter, five dimes, and a penny      D. six dimes  
 E. four dimes, four nickels, and one penny
10. Two weeks ago, Jon bought two boxes of tissue that each had 50 tissues in them. Since then Jon has used half of the tissues in one box and his sister has used 30 of the tissues in the other box. How many tissues have not been used yet?
- A. 25      B. 20      C. 55      D. 45      E. 50
11. Mike, Scott and Bill are going to run a relay race. If the race is 48 miles long, and each person runs the same distance, how far does each of them run?
- A. 13 miles      B. 14 miles      C. 15 miles      D. 16 miles      E. 17 miles
12. What number belongs in the box in the following subtraction problem?
- $$37 - 17 = \square - 5$$
- A. 15      B. 20      C. 25      D. 30      E. 35
13. Mudville Elementary School has 238 students. Of these, 124 are boys. How many of the students at Mudville Elementary School are girls?
- A. 124      B. 114      C. 141      D. 118      E. 198
14. Kate brings three quarters, four nickels, and two pennies to the store. If she buys a pencil for 21¢ and a toy for 39¢, how much money will Kate have left?
- A. two dimes and two pennies      B. two dimes and three pennies  
 C. one quarter, one dime, and two pennies      D. one quarter  
 E. three dimes and two pennies
15. On his tenth birthday, Ted was five feet, three inches tall. He grew four inches each year for the past five years. How tall was Ted on his fifth birthday?
- A. 3 feet, 3 inches      B. 2 feet, 11 inches      C. 3 feet, 7 inches  
 D. 3 feet, 11 inches      E. 4 feet, 7 inches

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**Answer Key, 2009 – 2010 Third Grade Contest #1**

**Teacher Tip:** For all third grade Online Math League contests, if a student has trouble reading something, please know that you may provide the difficult word(s) to the child. Also, if a student completely misunderstands how to take this test (such as by choosing multiple answers for the same question), you may intervene. Actual mathematical hints or suggestions, however, may not be shared with the students during the competition.

1. **B** (The first question on every OML test involves a topic the students should be comfortable with, as we want to begin each test on a positive note. In this case, we've chosen a straightforward addition problem.)
2. **A** (This is a two-step pattern that alternates between adding six and subtracting three.)
3. **B**
4. **D**
5. **E** (Keeping place values straight, especially when zeroes are involved, can be quite tricky for a third grader.)
6. **D**
7. **B**
8. **A**
9. **D**
10. **D**
11. **D**
12. **C** (Twenty is a common wrong answer here, as students often disregard the part of the equation after the missing number. We start using algebra-style questions like this at young grades because it forces students to think differently about topics they are otherwise familiar with.)
13. **B**
14. **C**
15. **C**