

Name: \_\_\_\_\_ School: \_\_\_\_\_

## Des Moines Math Circle Contest - 4th Grade

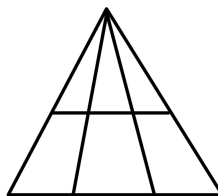
November 2024

Correct answers are worth 1 point. Incorrect and blank answers are worth 0 points. You are given 30 minutes to complete the test and no calculators are allowed.

1. \_\_\_\_\_ Jessica and Barry are at the Iowa State Fair. If a turkey leg costs \$3.57 and they have \$15.50, then what's the maximum number of turkey legs they can buy?

2. \_\_\_\_\_ Rory walks from her house to school on the sidewalks. She walks 6 minutes East and 8 minutes North. What fraction of her walk was she traveling east? (in simplified form)

3. \_\_\_\_\_ How many triangles are in the figure below?



4. \_\_\_\_\_ Today is Wednesday. Richard says, "My birthday is a week **before** 18 days from now." What day of the week is his birthday on?

5. \_\_\_\_\_ Mr. Montgomery's class has 28 students. They are separated into two teams, Team A and Team B. If Team A has 4 more kids than half the size of the class, how many more students are on Team A than Team B?