



Name: _____ School: _____

Des Moines Math Circle Contest - 2nd 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. _____ In Brock's school band, 8 students play clarinet, 4 play saxophone, 5 play flute, and 6 play trumpet. If these are the only instruments played, how many people in the band don't play clarinet or trumpet?

2. _____ Jada is at Blank Park Zoo. The zookeeper tells her that an emu normally lays 4 eggs each year. If there are 6 emus at the zoo, and three are females, how many baby emus will there be at the end of the year?

3. _____ Tyler is 12 months old and Bryce is 24 months old. If there are 12 months in a year, what is the sum of their ages in years?

4. _____ Sullivan is working at a concession stand. Hot dogs cost \$5 and bags of popcorn cost \$3. If Brandon orders two hot dogs and a bag of popcorn, and gives Sullivan \$20, how much change does he get back?

5. _____ Gary wakes up every morning at 6:00 AM. To make sure he is well-rested to work, he always gets 7 and $\frac{1}{2}$ hours of sleep. What time must Gary go to bed to get all of his beauty sleep?