

Student Name: \_\_\_\_\_  
Please write your name on *every* page.

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## 2 Section B

### B1

When Joanne was 19 years old, she adopted a cat that was 3 years old. If the cat is currently 8 years old, how old is Joanne?

Answer to B1: \_\_\_\_\_

### B2

A number is divisible by 9 if and only if when you add up all of its digits, the result is divisible by 9. How many of the following numbers are divisible by 9?

9, 72, 3572, 96059601

Answer to B2: \_\_\_\_\_

### B3

Jim has a collection of baseballs. If he added half the size of his collection to his collection, he would have 18 baseballs. How many baseballs does Jim actually have?

Answer to B3: \_\_\_\_\_

### B4

In American football, a touchdown is worth 7 points, while a field goal is worth 3 points. If a team scores 48 points and all points are from touchdowns or field goals, what is the largest number of touchdowns they could have gotten?

Answer to B4: \_\_\_\_\_

### B5

The famous book One Thousand and One Nights contains 1001 stories inside of it. If someone were to read 3 stories per day, starting on day 1, on what day would they have finished reading the last story?

Answer to B5: \_\_\_\_\_

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**B6**

A bingo card contains the numbers 1 to 75. The first 15 numbers are associated with the letter B, the next 15 are associated with the letter I, and so on for the letters N, G, and O, with 75 being the highest number. How many numbers that start with a 4 are associated with G?

Answer to B6: \_\_\_\_\_

**B7**

To convert Celsius to Fahrenheit, first multiply by 9, then divide by 5, and then add 32. What is 20 degrees Celsius in Fahrenheit?

Answer to B7: \_\_\_\_\_

**B8**

A baker’s dozen consists of a group of 13 objects (a regular dozen, plus one for the baker to eat as well). If Annie has a baker’s dozen cartons of eggs, each of her cartons of eggs contains a baker’s dozen of eggs, Brianna has a dozen cartons of eggs, and each of her cartons contains a dozen eggs, how many more eggs does Annie have than Brianna?

Answer to B8: \_\_\_\_\_