

Student Name: _____

Please write your name on *every* page.

2 Section B

B1

A toaster can cook 4 pieces of toast at once, and it takes 3 minutes to cook a piece of toast. A sandwich takes two pieces of toast to make. How long will it take to cook enough toast for 18 sandwiches?

Answer to B1: _____

B2

Arthur brought 31 pieces of candy to split between him and six of his friends equally. He plans to give any leftover candy to his teacher. How many pieces of candy will the teacher receive?

Answer to B2: _____

B3

A new social networking app only lets users type a maximum of 280 letters in their post. If someone wants to write the words “Nine Chapters Contest” over and over again, what is the maximum number of times they can write it in their post?

Answer to B3: _____

B4

There are two baby giraffes at the zoo. The smaller giraffe has a body and legs that are 54 cm tall in total, while the larger giraffe has a body and legs that are 75 cm tall. The smaller giraffe has a neck and head that are 16 cm tall, while the larger giraffe has a neck and head that are 28 cm tall. How much taller is the larger giraffe?

Answer to B4: _____

B5

In a store, hot dogs are sold in packs of 10 and hot dog buns are sold in packs of 6. Josh wants to cook hot dogs, but doesn't want to have any buns or hot dogs left over. What is the minimum of hot dogs Josh can cook for this to happen?

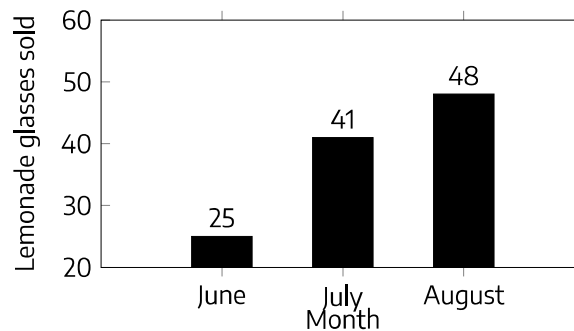
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Answer to B5: _____

B6

Emily set up a lemonade stand during summer vacation. She graphed the glasses of lemonade sold for each of the three months that she operated the stand.



If Emily sold each glass of lemonade for 2 dollars, how much money did she make over the summer?

Answer to B6: _____

B7

A light fixture in a room has space for 2 light bulbs. A single light bulb lasts for 6 weeks, but in the last week of its lifespan, it is too dull to light the room alone. Two dull light bulbs in the last week of their lifespans are enough to light the room, and one regular light bulb is enough otherwise. What is the minimum number of light bulbs you would have to purchase to keep the room lit for 26 weeks?

Answer to B7: _____

B8

In ASCII, the letter 'a' is represented by the number 97, the letter 'b' is represented by the number 98, and so on through the rest of the alphabet. What is the product of the numbers representing 'c' and 'z'? ('z' is the 26th letter of the alphabet.)

Answer to B8: _____