

Answer Sheet for Student Name: \_\_\_\_\_

#	Answer	Points (0/1)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Total:

## Problems

1. Ann buys 4 juiceboxes for \$2 each. Each juicebox contains 10 grams of sugar, 2 cups of snake oil, and 4 cups of dog food. How much money did Ann spend in total?
2. What is  $(7 + 7 \times 7)/7 + 7$ ?
3. 10 times my favorite number plus 6 is 56. What is my favorite number?
4. Find the mode times the median of the following set of 8 numbers: 1, 12, 13, 13, 13, 15, 15, 18
5. If Cam is 5 years older than Bob, how old will Bob be the first time the product of their ages is 50?
6. Bob tries to divide 16 by 8 on his calculator, but he hits “multiply” instead of “divide”. What is the difference between the answer he got and what he would have gotten if he had clicked divide?
7. There is a 50% chance of there being a rainbow on a rainy day, but only a 10% chance on a non-rainy day. If on any given day, there is a 30% chance that it rains, what is the probability of there being a rainbow tomorrow?
8. What is the perimeter of a rectangle with side lengths 5 and 10 with  $2 \times 2$  squares cut out from each of its corners?
9. Bob has 2 quarters, 4 dimes, and 10 nickels. How many cents does Bob have?
10. Andrew goes to a chess competition, and at this competition each person fist bumps every other person once at the start and once at the end. If there are 5 people other than Andrew at the competition, how many fist bumps occur?

**Solutions**

1. \$8
2. 15
3. 5
4. 26
5. 5
6. 126
7. 22%
8. 30
9. 140
10. 30