TCAP WEEKEND PRACTICE: DUE MONDAY, April 28

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| Trey’s parents want him to save 1/5 of his allowance each week to help pay for swimming lessons. What percentage of his allowance did Trey’s parents ask him to save?  A) 20%  B) 25%  C) 40%  D) 60% | Which fraction would make the following expression TRUE?  1/7 < \_\_\_\_\_\_\_\_\_< 4/16  A) 1/9  B) 1/6  C) ¼  D) ½ |
| Which expression can be used to solve the following problem?  A restaurant charges $100 per hour to rent a private room and $21.50 per person for dinner. What is the total cost for a 2-hour dinner for 50 people?  A) 2 × 21.50 + 100 × 50  B) 2 × 50 + 100 × 21.50  C) 2 × 100 + 21.50 × 50  D) 2 × 100 + 21.50 + 50 | Find the slope of the line |
| The table below shows the number of calories and grams of protein in different kinds of bagels sold at Barry’s Bagel Shop.  A) Kenyatta keeps track of her calories to grams of protein intake for nutritional purposes. What is the ratio of calories to grams of protein in the cinnamon and raisin bagels?  B) Rachel bought an onion bagel but ate only 3/4 of it. How many calories are in the portion of the bagel that Rachel ate? Show or explain how you found your answer. | |
| 1) A car can go 30 miles per one gallon of gas. At this rate, how many gallons of gas will it need to go 600 miles?  A) 12 gallons B) 20 gallons C) 50 gallons D) 80 gallons | |
| The table below shows the color and number of socks Brian has in a drawer.  If Brian picks one sock out of his drawer at random, what is the probability that he will pick a blue sock?  A) B) C) D) | |
| Mrs. Nelson drives an ice-cream truck. On Friday, 52 of the ice-cream bars she sold were chocolate. What percent of the ice-cream bars Mrs. Nelson sold on Friday were not chocolate?  **F**25% **G**35% **H**40% **J** 60% | |
| Lyle’s grandma was making lemonade for his friends. She used 5 cups of fresh lemon juice and 8 ½ cups of water for the first mixture. If she wants to make 38 cups next time, how much sugar will she need?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_ cups of sugar will be needed | |
| What is the value of 3**(**2*p* **+** 4*r***)** when *p* **=** 0.8 and *r* **=** 1.5?  **F**10.8 **G**13.2 **H** 18.6 **J** 22.8 | |
| Two squares are similar. The area of the smaller square is 49 square inches. The area of the larger square is 100 square inches. What is the ratio of the side length of the smaller square to the side length of the larger square? | |
| A company is redesigning their office floor plan to put the desks and offices in a triangular shape. The architect drew up a model, shown below. The smallest side of the actual office will be 35 feet. What will be the length of the longest side in the actual office? | |