Pre-Algebra Homework #15

1) Accurately graph the answers to $x > \frac{1}{4}$ on a number line.

2) Tim wants to buy a new TV. The TV he wants is on sale for 15% off its original cost of $175. He has a coupon for an additional 5% off the sale price. How much will Tim pay before sales tax?

3) Graph the equation $3x - 2y = 14$ using the equation of a line, and identify the constant of proportionality from the equation.

4) Solve, and accurately graph the answers to $\frac{-1}{5}x \geq 3$ on a number line.

5) If you take a randomly shuffled, standard deck of cards, what is the probability that the first dealt card is a king and the second card dealt is also a king?

6) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

3, 4, 8, 7, 2

7) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

7, 9, 1, 4, 9

8) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

3, 1, 2, 3, 7, 6

9) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

9, 5, 6, 3, 1, 8

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10) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

8, 8, 9, 9, 7, 9, 6

11) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

1, 1, 4, 8, 9, 3, 8

12) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

6, 7, 2, 1, 5, 2, 1, 6

13) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

7, 6, 8, 6, 7, 5, 7, 3

14) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

5, 3, 6, 4, 8, 9, 2, 3, 2, 2

15) Find the mean, median, mode, range, interquartile range, and mean absolute deviation of this following set of numbers. Round to the nearest tenth when needed.

1, 1, 6, 7, 3, 4, 8, 7, 9, 3, 4, 2, 6, 5, 6, 6, 9

16) At Oliver's Pizza Palace in the 6 hours they were open they sold the following number of pizzas: 55 pepperoni, 57 sausage, 50 cheese, 51 mushroom, 61 anchovies and 50 pineapple. Determine the mean (rounded to the nearest tenth), median, mode and range of the number of pizzas sold.

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17) Jerry was counting the money he received for his birthday. From his aunt he received $9. From his uncle he received $9. His best friends gave him $22, $23 and $22 and $22. And his sister gave him $7. Determine the mean (rounded to the nearest tenth), median, mode and range of the money he received.

18) Dave counted the number of times people sharpened their pencils in class for a week. He counted: 4, 13, 4, 1, 14 and 11. Determine the mean (rounded to the nearest tenth), median, mode and range of the numbers.

19) Victor was selling chocolate for a school fundraiser. On the first week he sold 75. On the second week he sold 67. On the third week he sold 75. On the fourth week he sold 70 and on the last week he sold 68. Determine the mean (rounded to the nearest tenth), median, mode and range of the chocolate bars he sold.

20) During the first 6 hours of the fair there were the following number of customers: 58, 58, 62, 55, 49 and 48. Determine the mean (rounded to the nearest tenth), median, mode and range of the number of customers.