

To pass the placement exam for Statistics, the student must demonstrate proficiency in the following topic areas:

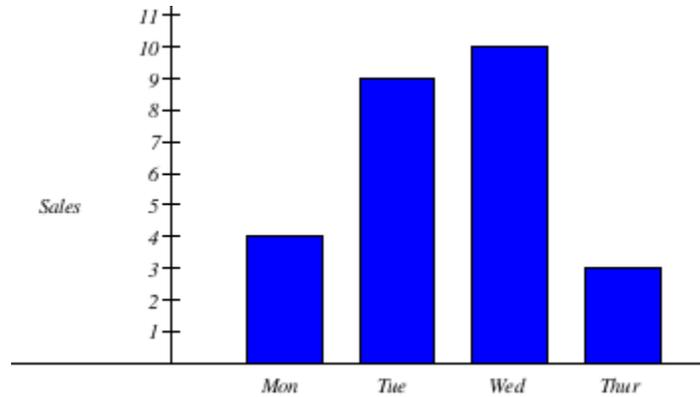
- Round a decimal value
- Compare decimal values to determine which is larger
- Demonstrate logical thinking
- Solve problems involving percentages
- Convert between scientific notation and standard notation
- Evaluate a formula with more than one variable
- Read and interpret graphs and charts
- Solve word problems
- Interpret and write solutions in interval notation
- Simplify an expression involving a square root (using a calculator)
- Graph a linear equation

The student who successfully completes this placement exam with a score of 75% or higher is eligible to enroll in Statistics.

Sample Practice Test for Statistics Placement Exam

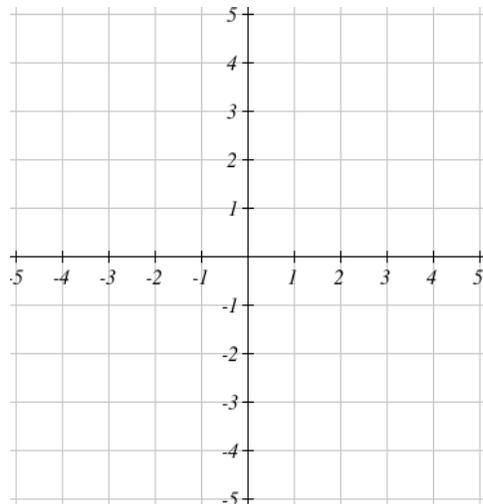
Round 53.6216 to three decimal places

Evaluate $9 + 21 \div 7 + 9 \cdot 3^2$



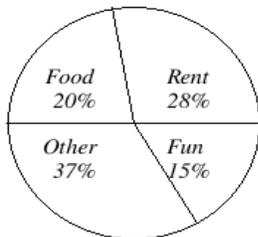
The plot above shows the number of computers a store sold the first four days of this week. How many computers did they sell on Thursday?

Graph the line that has an x -intercept of $(-4,0)$ and y -intercept of $(0,2)$.



Evaluate the expression $\sqrt{\frac{15 \cdot 3}{5}}$.

Krystal categorized her spending for this month into four categories: Rent, Food, Fun, and Other. The percents she spent in each category are pictured here.



If Krystal spent a total of \$3000 this month, how much did she spend on Food?

Out of 220 racers who started the marathon, 202 completed the race, 11 gave up, and 7 were disqualified. What percentage did not complete the marathon?

Rewrite this number in appropriate scientific notation:

0.0912

Rewrite this number in decimal notation without the use of exponents or scientific notation:

4.625×10^2

Convert the fraction $\frac{7}{9}$ to a decimal.

Write 0.65 as a fraction, reduced to lowest terms.

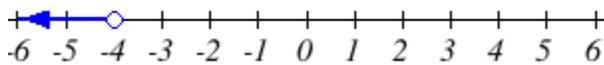
Choose the symbol that correctly compares the two numbers.

$$0.002 _ 0.03$$

- A. >
- B. <

Order the numbers $\frac{11}{8}$, 1.355, and 1.405 from smallest to largest. Be sure to enter the three numbers exactly as they appear.

Which of the following choices corresponds to the graph?



- $[-4, \infty)$
- $(-\infty, -4)$
- $(-4, \infty)$
- $(-\infty, -4]$

Express the set $x \geq 2$ using interval notation.

Consider the set of whole numbers from 1 to 10, inclusive.
List the numbers that meet the condition: less than four or odd

Select the conclusion that can be logically deduced from the given premises.

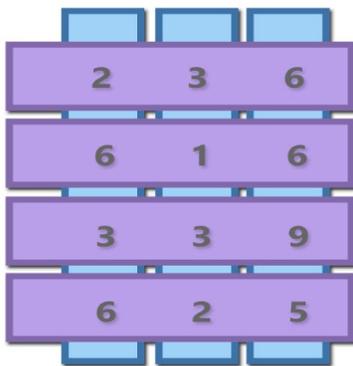
If Jamie buys a car, Jamie will need insurance.
Jamie buys a car.
Therefore,

- A. Jamie doesn't buy a car and Jamie needs insurance.
- B. Jamie will need insurance.
- C. if Jamie does not buy a car then Jamie does not need insurance.
- D. Jamie will not need insurance.
- E. None of these.

Lisa is both the 5th highest and 5th lowest ranked player in the beach volleyball team. How many players are in Lisa's team?

- A. 9
- B. 10
- C. 7
- D. 11
- E. 8

Which row does not belong?



- A. 2,3,6
- B. 6,1,6
- C. 3,3,9
- D. 6,2,5

Find the next number in the following series:

15, 12, 13, 10, 11, 8

- A. 14
- B. 3
- C. 12
- D. 9