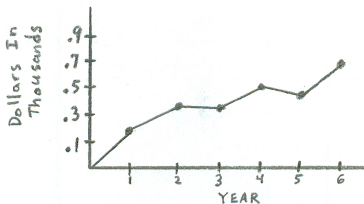


25. Billy is going to drive his moped to a distance 50 miles away. If his moped only travels 20 miles per hour, what is the latest time he can leave so he makes it there by 4 p.m.?
- 12:00 p.m.
 - 12:30 p.m.
 - 1:00 p.m.
 - 1:30 p.m.
 - 2:00 p.m.
26. Which of the following is a poor use of a percent?
- The interest rate the bank offers is 4.8%.
 - There are 125% fewer people out for basketball compared to last year.
 - 28.3222% of the people are from Iowa.
 - There was a .01% decrease in pay outs compared to three years ago.
 - Car sales increased by 150% over the last two months.
27. The temperature is decreasing by 3 degrees per hour. If the temperature is 17 degrees at 10:00 a.m., what will be the temperature at 2:00 p.m.?
- 17 degrees
 - 11 degrees
 - 8 degrees
 - 5 degrees
 - 2 degrees

28. The graph shows the sales figures of a computer company since it opened up 6 years ago.



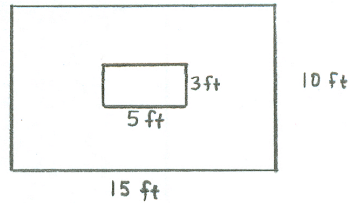
- According to the graph, what was the approximate sales in the company's 4th year of business?
- \$50
 - \$500
 - \$5,000
 - \$50,000
 - \$500,000

29. Which of the following represents x feet and y inches in terms of inches?
- $12x \cdot y$
 - $12x - y$
 - $12x \div y$
 - $12x + y$
 - none of the above
30. The area of a state is approximately 42,356 square miles. If 9% of the land is covered by lakes, which of the following is the best approximation of the area of all the lakes?
- $40,000 \times .05$
 - $40,000 \div .05$
 - $40,000 \times .10$
 - $40,000 \div .10$
 - $50,000 \times .10$
31. Space shuttle A travels 6.74×10^7 miles per hour. Space shuttle B travels 6.92×10^7 miles per hour. Approximately how much faster is shuttle A than shuttle B?
- .18
 - 1.8×10^7
 - 18×10^7
 - $.18 \times 10^7$
 - $.12 \times 10$
32. A group of teachers earning the same wage per hour belong to an investment company. The dues are 4% of each paycheck, no matter how much you work. Does this mean that the amount of money taken out for dues will be the same for all employees?
- Yes
 - No, the quarter-time employees will have the most money taken out.
 - No, the half-time employees will have the most money taken out.
 - No, the full-time employees will have the most money taken out.
 - No, all employees pay less than the half-time employees.

33. Which of the following choices most likely would represent whole numbers only?

- a. The interest rates for loans at a bank.
- b. The average body temperature of two patients in a hospital.
- c. The total number of deaths in three countries.
- d. The average length in inches of the radius of three circles.
- e. The time it takes to run a 100-meter dash for Olympians.

34. The Smiths are going to put a counter in the middle of their kitchen. Which of the following represents the area in square feet of the part of the floor that isn't covered by the counter?



- a. $(15 - 10) \times (5 \times 3)$
- b. $(15 \times 10) - (5 \times 3)$
- c. $(15 + 10) - (5 \times 3)$
- d. $(3 \times 5) - (15 \times 10)$
- e. $(3 \times 5) + (15 \times 10)$

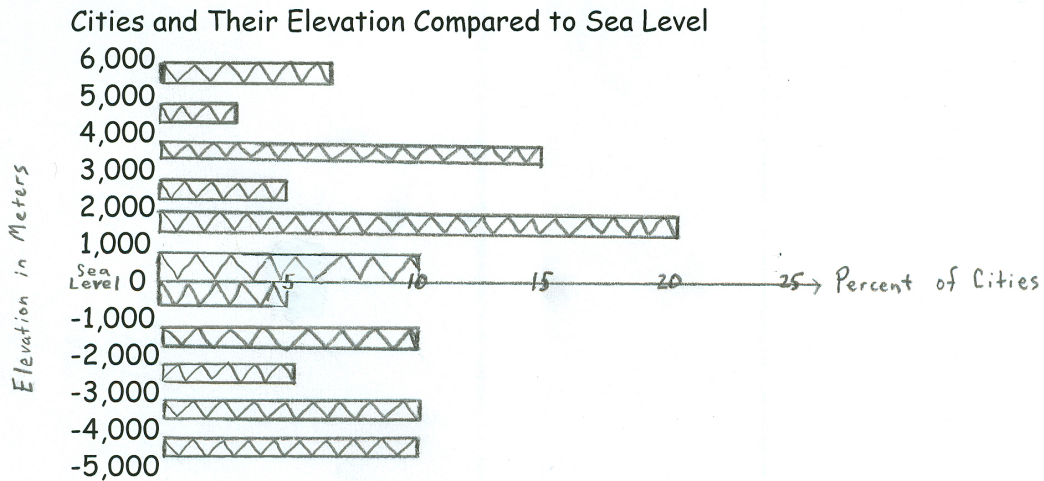
35. Which of the following sets of data would be best represented by a circle graph?

- a. The cost in dollars of different cars.
- b. The amount of increase of inflation over the last five years.
- c. The percent of free-throws made by six different players of a team.
- d. The cost in dollars per month of a water bill for a family.
- e. The percentage of gorillas from different countries.

36. What is most likely the first step to solving this equation: $4x - 1 = 15$

- a. Divide both sides of the equation by 4.
- b. Add 1 to both sides of the equation.
- c. Subtract 1 from both sides of the equation.
- d. Multiply both sides of the equation by 4.
- e. Subtract 15 from both sides of the equation.

Questions 37-39 are based on the graph below.



37. About what percentage of the cities are below sea level?

- a. 30%
- b. 35%
- c. 40%
- d. 45%
- e. 50%

38. Which of the following intervals is the most popular to live in?

- a. -4,000 to -3,000
- b. 0 to 1,000
- c. 1,000 to 2,000
- d. 2,000 to 3,000
- e. 3,000 to 4,000

39. What is the difference between the highest elevation interval and the lowest elevation interval? (There are 1,000 meters in 1 kilometer.)

- a. 11 km
- b. 10 km
- c. 9 km
- d. 8 km
- e. 7 km