

373. Luis got on the school bus at exactly 6:49 a.m. and got off the bus at exactly 7:42 a.m. that same morning. How many minutes was he on the bus?

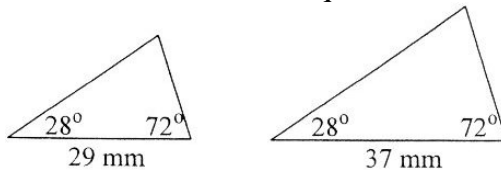
_____ minutes

374. A palindrome is a number that reads the same forwards and backwards. Some examples of palindromes are 121, 3443, and 72,327. The odometer of Officer Bob's car shows 49,994 miles. How many miles does Officer Bob's car need to be driven so the odometer shows the very next palindrome?

_____ miles

375. The two triangles below are:

- A. both isosceles B. both equilateral C. congruent D. similar



376. How many square inches are there in 2 square yards? Fact: 1 yard = 36 inches

_____ square inches

377. Mary's neighbor hired her to rake her lawn. The chart below shows the time Mary spent raking her neighbor's lawn. Mary's neighbor paid her \$4.50 per hour. How much money did Mary earn raking her neighbor's lawn?

Monday	2 hours 15 minutes
Tuesday	1 hour 40 minutes
Wednesday	35 minutes
Thursday	1 hour

\$ _____

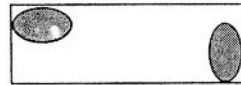
378. Raul's favorite number is between 100 and 300. It is a square number. The sum of the digits is 16. The middle digit is the largest of the 3 digits. What is Raul's favorite number?

379. Sharon cut a square piece of paper along the dotted lines to form 4 smaller squares. The perimeter of each of the smaller squares is 6 units. What is the perimeter of the original square?

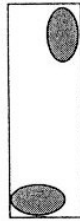


_____ units

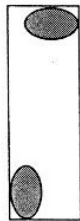
380. Suppose the shape to the right is rotated 90 degrees counterclockwise. Which of the following would show the result?



A.



B.



C.



D.

Write the letter of the correct choice on the blank to the right.

381. Mary has 2 dimes, 3 nickels, and 2 quarters. She selects 2 of the coins. How many different amounts of money could she have selected?

382. Write 0.376 as a fraction in simplest form.

383. Jareth went to the store to buy a pair of jeans that had a regular price of \$31.00 and a shirt that had a regular price of \$35.00. When he got there, he found that the jeans were on sale at 20% off and the shirt was on sale at 15% off. There was no sales tax charged. How much money did Jareth save by buying the clothing on sale rather than at the regular prices?

\$ _____

384. Find the sum of the following three numbers:

- three and seven tenths
- thirty-six and eighteen hundredths
- nineteen and seventy-eight thousandths

Write your answer in decimal number form.

385. Jamal got a brand new piggy bank. He decided to put in 50 cents on June 1, 60 cents on June 2, 70 cents on June 3, and so on, each day putting in 10 cents more than he put in the day before. How much money did Jamal put in his bank on June 23?

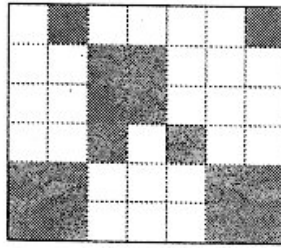
\$ _____

386. I am thinking of two numbers. The first number is the only even prime number. The second number is the smallest two-digit square number. What is the product of my two numbers?

387. Oscar is reading a book. He has finished 70% of the book and still has 48 pages left to read. How many pages are in Oscar's book?

_____ pages

388. The figure below is divided into 42 unit squares. What fraction of the figure is shaded? Write your fraction in simplest form.



.....
 389. Maltie worked in her garden for six weeks last summer. The chart below shows the number of hours worked for the first five weeks.

Week Number	Number of Hours Worked
1	8
2	15
3	13
4	17
5	17

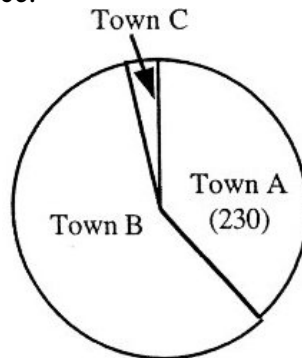
Use the information above to answer questions 389-391.

389. Find the median number of hours worked during the first five weeks.
 _____ hours

.....
 390. Find the mean number of hours worked during the first five weeks.
 _____ hours

.....
 391. The mean number of hours worked for all six weeks was 15. How many hours did she work during the sixth week?
 _____ hours

.....
 The circle graph shows the number of residents from three towns who attended a county fair.
Note: No resident was counted more than once.

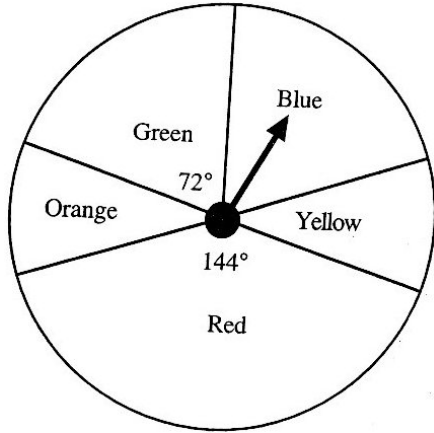


Use the information in the chart to answer questions 392 and 393.

392. A total of 600 residents from the three towns attended the fair. Seven-twelfths of the residents were from Town B. How many of the residents from Town C attended the fair?
 _____ residents

.....
 393. What is the degree measure of the sector for Town A?
 _____ degrees

.....
Questions 394, 395, and 396 are based on the spinner shown below.



394. The arrow is spun once. Find the probability that it will stop in either the sector labeled Green or the sector labeled Red. Write your answer as a fraction in simplest form.

.....
 395. The probability that the arrow will stop in the sector labeled Yellow is $\frac{1}{10}$. What is the degree measure of the central angle of this sector?
 _____ degrees

.....
 396. The arrow is spun 1000 times. About how many times would one expect the arrow to stop in the sector labeled Red?
 A. 200 B. 400 C. 500 D. 600

.....
 397. Uncle Joe is preparing turkey and sweet potatoes for dinner.
 The turkey needs to bake in the oven for 4 hours 45 minutes.
 The sweet potatoes need to be put in the oven 75 minutes before the turkey is done.
 Uncle Joe put the turkey in the oven at 1:45 p.m.
 What time should Uncle Joe put the sweet potatoes in the oven?
 _____ p.m.

.....
 398. Marion drank 120 ounces of water in the 24 hours following her big race. How many pints of water did Marion drink during those 24 hours?
 Facts: 2 pints = 1 quart
 1 quart = 32 ounces
 _____ pints

399. Gerald needed to rent a car for 6 days. He had to choose between two different plans.

Plan A: \$29.95 per day with no charge for mileage.

Plan B: \$19.95 per day with a charge of 33 cents per mile for all miles driven over 600 miles.

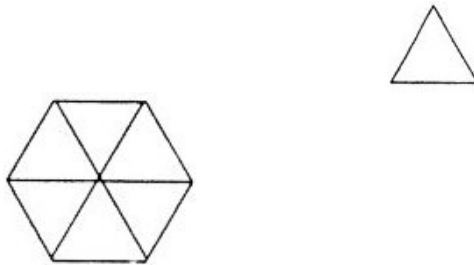
Gerald chose Plan B and drove 723 miles. How much money did Gerald save by choosing Plan B rather than Plan A?

\$ _____

400. Mark wants to cover a rectangular 4-foot by 8-foot wall with square tiles. The tiles measure 4 inches on a side. How many tiles will Mark need to exactly cover this wall?

_____ tiles

401. The perimeter of the equilateral triangle shown to the right is 20 units. Six of these equilateral triangles are put together (as shown below) to form a hexagon. What is the perimeter of the hexagon?



_____ units

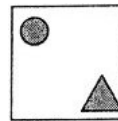
402. Juanita invited her 23 classmates to her Halloween party.

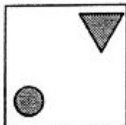
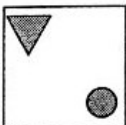
- * Each classmate could bring one parent.
- * All but 5 of the classmates attended the party.
- * None of the classmates were from the same family.
- * One-half of the classmates who attended the party brought a parent.

How many came to Juanita's party?

_____ people

403. Suppose the figure to the right is rotated 270° clockwise about its center. Which of the following would show the result?



- A.  B.  C.  D. 

Write the letter of the correct choice on the blank to the right.

404. Meredith, Sharon, and Cindy collect nickels.

Meredith said, "I have two more than twice as many nickels as Sharon."

Cindy said, "Meredith has three more nickels than I have."

Meredith has 24 nickels. How many nickels do the three girls have altogether?

_____ nickels

405. Allen, Darrin, Ryan, and Walter finished in first through fourth places in a race.

Darrin did not finish fourth. Walter finished before Darrin. Darrin finished right after Allen and right before Ryan. Walter did not come in second. Who finished in second place?

406. Shawn and Brenda are going to wash Aunt Mabel's windows. Shawn can do the entire job alone in 40 minutes. Brenda can do the entire job alone in 60 minutes. First, Shawn will wash Aunt Mabel's windows for 20 minutes. Then he will go home and Brenda will begin washing the windows. How many minutes will it take Brenda to finish washing the windows?

_____ minutes

407. James has the same number of pennies, nickels, dimes, and quarters. These coins are worth \$2.46 in all. How many coins does James have altogether?

_____ coins

408. Harriet made a list of all the square numbers between 20 and 90, then found the sum of these numbers. What sum should Harriet get?

409. Anji has a collection of 20 model cars; some are yellow, some are blue, and the rest are red. She has the same number of blue cars as yellow cars. Twenty percent of the cars are red. How many blue cars does she have?

_____ blue cars

410. I am thinking of three different counting numbers. The product of the three numbers is 60. One of the numbers is a perfect square. Two of the numbers are prime numbers. What is the sum of the three numbers?

411. Jamal got a brand new piggy bank. He decided to put in 50 cents on June 1, 55 cents on June 2, 60 cents on June 3, and so on, each day putting in 5 cents more than he did on the day before. Assume Jamal never took any money out of his bank. How much money did Jamal have in his bank after he put in his money on June 30?

\$ _____

412. Jasper said that 40 female students attended the fifth-grade picnic. Amy agreed, and added that the ratio of female to male students attending was 5 to 6. How many students attended the picnic?

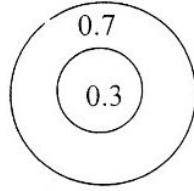
_____ students

413. Jeremy went to the store to buy candy. The total cost of the candy was \$0.68, so he paid with a one-dollar bill. He noticed that the store clerk gave him the correct change, and used six coins to do so. How many nickels did the store clerk give Jeremy?

_____ nickels

.....

414. You are allowed to throw as many darts as you want at the dartboard below. Each time you hit one of the two regions, you add the amount shown in that region to your score. Assume that you start with a score of zero. Which of the four choices below shows a score you cannot get when you use this dartboard?



- A. 0.9 B. 1.1 C. 1.7 D. 2.2

.....

415. The symbol \textcircled{R} between two numbers means you should add the two numbers, then multiply the sum by $\frac{3}{4}$. For example, $7 \textcircled{R} 4 = (7 + 4) \times \frac{3}{4} = 8\frac{1}{4}$.

Find the value of $1\frac{1}{2} \textcircled{R} 3\frac{2}{3}$. Write your answer as a mixed number in simplest form.

.....

416. Write 37.25% as a fraction in simplest form.

.....

A bag contains 6 red marbles. The rest of the marbles are green. All of the marbles are identical except for their color. The probability of randomly selecting a red marble is $\frac{3}{7}$.

417. How many marbles are in the bag?

_____ marbles

.....

418. What percent of the marbles are green? Round your answer to the nearest tenth of a percent.

_____ percent

.....

419. Another bag contains 10 blue marbles and 6 yellow marbles. What is the smallest number of marbles that must be drawn from the bag to ensure that there is at least one yellow marble among the marbles chosen?

_____ marbles

.....

420. The class average on a mathematics test was 48 points out of 50. The 20 girls in the class scored a total of 980 points. How many total points did the 4 boys in the class score?

_____ points

.....
 Angela's scores on five quizzes are shown in the chart.

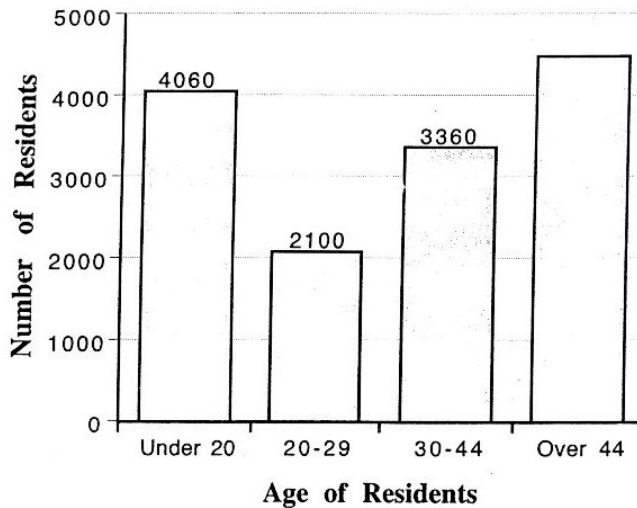
Quiz 1	37
Quiz 2	39
Quiz 3	37
Quiz 4	43
Quiz 5	44

421. Find Angela's mean score for the five quizzes.

.....
 422. How much greater is Angela's median score than her mode score?

.....
 423. After taking the sixth quiz, Angela's mean score for all six quizzes was 41. What was her score on the sixth quiz?

.....
 The bar graph shows the age distribution of the 14,000 residents of Bayview in 1998.



For example, the chart shows that 4,060 of the 14,000 residents were in the **Under 20** age group.

Use the information in the graph to answer questions 424-426.

424. What percent of Bayview residents was in the **30-44** age group?

_____ %

425. How many residents were in the **Over 44** age group?

_____ residents

426. A circle graph is prepared to show the age distribution of the 14,000 residents. What is the measure of the central angle for the sector representing the **Under 20** age group? Do not round your answer.

_____ degrees

427. Which one of the numbers below is a prime number?

- A. 51 B. 53 C. 55 D. 57

428. There were 77 children at the swimming pool. The ratio of girls to boys was 4 to 7. How many girls were at the swimming pool?

_____ girls

429. Brody purchased a new umbrella. The original price was \$22.00. The umbrella was on sale at one-fourth off the original price. Brody used a coupon for \$1.25 off the sale price. The tax on the umbrella came to \$0.99. How much did Brody pay for the umbrella, including tax?

\$ _____

430. Grandma Jenny began with 72 clothespins in a bag. She used some of the clothespins to hang her laundry. The numbers of clothespins used was twice the number of clothespins still remaining in the bag. How many clothespins remained in the bag?

_____ clothespins

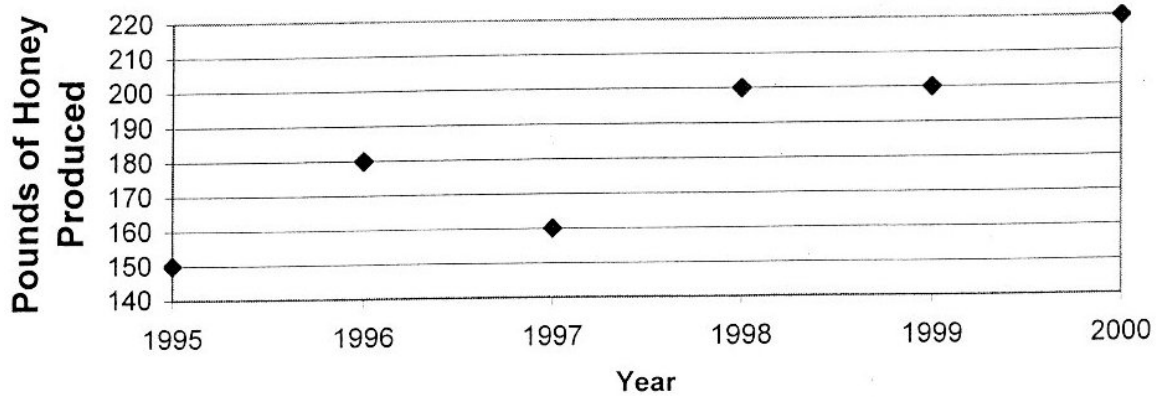
431. Little Red Riding Hood traveled to her grandmother's house.

She went half of the way by car, $2\frac{1}{2}$ miles by boat, and the remaining $\frac{3}{4}$ mile by hiking through the woods. How many miles did Little Red Riding Hood travel to get to grandmother's house?

_____ miles

The chart below shows the number of pounds of honey Mr. Lange's honeybees produced from 1995-2000. For example, Mr. Lange's honeybees produced 150 pounds of honey in 1995.

Mr. Lange's Honey Production



Use this chart to answer questions 432 and 433 below.

432. Between which two years did the number of pounds of honey produced increase the most?

- A. 1995 and 1996
- B. 1997 and 1998
- C. 1998 and 1999
- D. 1999 and 2000

433. What was the percent increase in pounds of honey produced from 1995 to 1996?

_____ percent

434. Brad, Juan, and Tito each had some marbles to begin with.

Brad gave 3 of his marbles to Tito, and Tito gave 5 of his marbles to Juan.

Now they each have the same number of marbles and Juan has twice as many marbles as he had to begin with.

How many marbles did Tito have to begin with?

_____ marbles