SUNSHINE MATH - 5
Saturn, XXIV
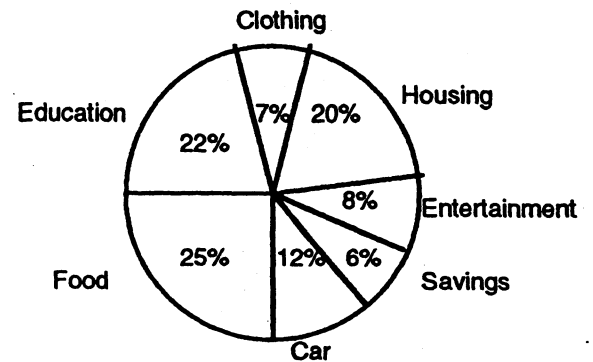
Name: _____

(This shows my own thinking.)

★★ 1. There were 22,600 tickets sold for the Magic's first game. 4,800 fewer people showed up for the second game. If tickets were $25 each, how much money was brought in by the two games?
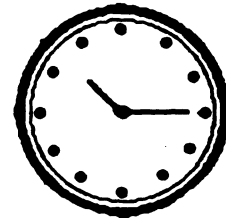
Answer: _____

★★★★ 2. Marshall makes $20,000 a year. His budget is shown to the right.

a. What is the sum of the percents on the graph? _____

b. Does Marshall spend more money on education or on food? _____

c. How much money does he spend on his car? $_____

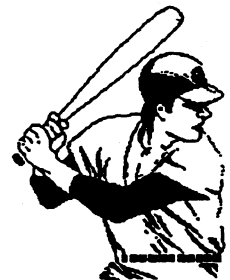d. What is the total amount of money Marshall spends on clothing, entertainment, and savings? $_____

★★ 3. Juanita could not see the classroom clock hung on the back wall of the room without turning around in her seat. But one day she discovered that she could see it by using the mirror in her purse. If this is what she saw, what time was it?

Answer: _____

★ 4. Emily and Morris were discussing how fast a baseball travels. They asked Emily's Dad to hit a ball. The machine measured the ball's speed at 98.70465 miles per hour. Round this speed to the nearest hundredth mile per hour.

Answer: _____ mph

★★★ 5. Write an algebraic expression for each situation below, using the variable given.

     a. three times as high as the stack of books, *x*, plus 2 feet: _____

     b. $100, less twice Taria's money saved, *s*: _____

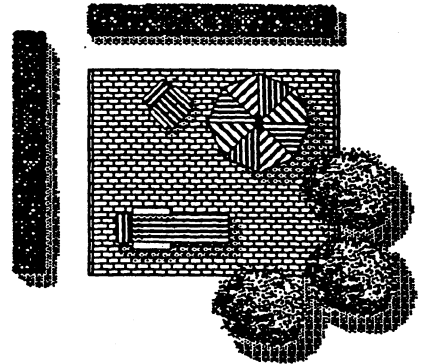   c. one-half of Marcia's time, *t*, less 2 minutes: _____

★★ 6. Patti helped her Mom plan a patio. Estimate about how many bricks they should order. Circle the best estimate below, to have a few left over for breakage.

     a. 800   b. 600

     c. 1000   d. 700

★★ 7. Spring is the time for snorkeling. Marcus enjoys snorkeling around the beach area at Panama City. Circle the temperature when he might enjoy this sport the most.

     a. 0°C   b. 25°C

     c. 50°F   d. 80°C

★★★★ 8. A man has a goose, a fox, and a bag of corn with him walking through the woods. He comes to a river, but there is only one boat available for crossing. The boat will only hold the man and one other thing each time across the river.

The man can't leave the fox and goose alone on the river bank, because the fox will eat the goose. He can't leave the goose and corn alone, because the goose will eat the corn.

What's the fewest number of crossings he can make in the boat, to get everything on the other side? (A *crossing* means going from one side of the river to the other.)

     (Hint: draw a diagram.)   Answer: _____ crossings