

1. Which Way for Jake?

Jake Burton thanked the Samuelsons for dinner and got up to leave. Mr. Samuelson asked where he would be staying. Jake said he didn't know, but he would find a place. They insisted that he stay with them until he could find a job and a place of his own. He was more than happy to accept.

The next morning Jake ate an early breakfast at the Samuelsons'. He started job hunting by 7:45 AM. He spent a 1/2 hour filling out an application form at one store and 3/4 of an hour at another. At a third store, he spent a 1/2 hour completing a form and a 1/4 hour being interviewed. By 12:30 PM he felt downhearted and stopped searching for the day.

Jake decided to really keep at job hunting the second day. He left at 7:15 AM and kept searching until 4:30 PM. That afternoon he decided to go to the public employment office. When he got there he was astonished at the lines of people. In one line there were 18 men and 7 women, in a second line 23 men and 11 women, the third had 16 men and 23 women, and the fourth line held 29 women and 3 men.

Jake had searched for 13 days straight without luck. What little money he did have was almost gone. When he had started he had \$88.75, but now he was down to \$23.10. Staying with the Samuelsons and eating some of his meals with them had been a big help, but he was beginning to feel like a burden. He just had to get some money and his own place to stay! Something just had to happen!

One afternoon, while job hunting, Jake became very hungry and stopped at a vending center. He skipped lunch in order to save the few dollars he had left. He looked longingly at the vending machines full of sandwiches, candy, soft drinks, and fruit. Just then he noticed another young man opening some machines with what looked like a piece of wire. As he watched, the other young man ate a sandwich and drank a soda, and then started to open a candy machine. Jake meant to say don't do that, but instead he asked, "Would you get some for me too?"

"Sure, here's a candy bar. Would you like something to drink too?"

Jake soon learned that the other boy's name was Zeke. Zeke had lost his job two months earlier. Since then he had been staying with different friends and getting by any way he could.

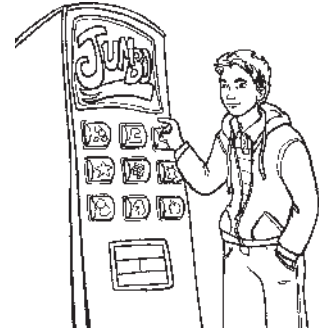


Which Way for Jake?

Problem Set A

Directions: First read the story "Which Way for Jake?" Information from the story will help you to solve some of the problems that follow. Write your answers below each problem. Use the back of this page or a separate sheet of paper to show your work.

1. How long did Jake spend job hunting the first day?



2. During his first day, how much time did Jake spend being interviewed and completing application forms?

3. Jake stopped at a lumber yard to check on a job. The manager had him using a measuring tape to mark a board to be cut into pieces of $12 \frac{1}{2}$ inches, $18 \frac{3}{4}$ inches, and $7 \frac{3}{8}$ inches in length. What was the total length of the board before being cut?
4. The manager also wanted to know if Jake could measure accurately in metric units, so he had him mark a second board to be cut into lengths of 27.5 cm, 32.65 cm, and 101.87 cm. What is the total length of all the pieces to be cut?
5. At a grocery store, the manager told Jake that they stocked the fresh fruit counter with 9 apples for every 6 peaches. At this ratio, if there were 66 peaches, how many apples should be on the counter?

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Problem Set B

Directions: First read the story "Which Way for Jake?" Information from the story will help you to solve some of the problems that follow. Write your answers below each problem. Where possible, use the back of this page or a separate sheet of paper to show your work.



1. How many people, total, were waiting in the lines at the public employment office?
2. What was the ratio of women to men in the employment office lines? Refer to Problem 1 above.
3. A free pamphlet in the employment office said that it served 2,600 people each month. If the office was open for business 20 days each month, what is the average number of people it serves each day?
4. The employment pamphlet also claimed that 38% of the people they served got jobs within a month. If they serve 2,600 people in an average month, how many should get jobs?
5. The vending machines sold sandwiches for \$1.75. The machine only accepted quarters, dimes, and nickels. List four coin combinations that you could put into the machine for a sandwich.

Which Way for Jake?

Problem Set C

Directions: First read the story "Which Way for Jake?" Information from the story will help you to solve some of the problems that follow. Write your answers below each problem. Where possible, use the back of this page or a separate sheet of paper to show your work.

1. After 13 days, how much money had Jake spent? On the average, how much money had he spent each day?

2. Jake looked at himself in a mirror and decided his rumpled clothes weren't helping him find a job. He decided to spend approximately $\frac{1}{3}$ of his remaining money for a new shirt. Approximately how much will he spend for the shirt? How much money will he have left?



3. The vending machine sold sandwiches for \$1.75. The machine only accepted quarters, dimes, and nickels. List four coin combinations that you could use to buy a sandwich.
4. Several days later Jake found another temporary job applying lawn fertilizer. The directions said that each bag of fertilizer would cover 200 square feet. The lawn was a rectangle of 65 feet by 95 feet. How many bags of fertilizer would be needed?
5. Jake missed the bus and had to take a taxi to a job interview. The taxi charged 75 cents for the first .1 of a mile and 25 cents per .1 of a mile after that. The job interview is 11.8 miles away. How much will the taxi ride cost? How much should the driver's tip be at 15%?