

Human Services

Family and Community Services

Multiple Choice Math Assessment Problems



All math problems address TEKS 130.249. Family and Community Services.

(1) The student explores careers in family services. The student is expected to:

(D) analyze demographic and community needs.

Question 1. The City of Beaumont has a policy that it will build a new community center in a neighborhood when 80% of that neighborhood's population is at or below a certain income level. If the neighborhood currently has 70% at or below that income level and continues toward 80% at a rate of 3% per year, in what month will they reach 80% if it is currently March?

- a. May
- b. June
- c. July
- d. August

(2) The student demonstrates organizational and leadership skills using a community service environment. The student is expected to:

(D) demonstrate positive interpersonal skills, including conflict resolution, negotiation, teamwork, and leadership.

Question 2. The federal government will provide enough funding for one social worker per 1,000 students. If a certain school district has 76,385 students, what would be the actual student to social worker ratio?

- a. 1,000:1
- b. 1,005:1
- c. 1,076:1
- d. 76,385:1

(1) The student explores careers in family services. The student is expected to:

(C) research to find agencies, organizations, and churches offering family services in the student's area.

Question 3. A social worker has a caseload of 46 clients, and she is supposed to meet for one hour every two weeks with each client. If she works 40 hours per week, what percentage of her time is spent meeting with clients?

- a. 25.7%
- b. 57.5%
- c. 76.5%
- d. 87%

(3) The student develops and implements community service activities. The student is expected to:

(C) plan, develop, and implement volunteer activities that will benefit individuals, families, or the community.

Question 4. The Blue Lake Community Center is hosting an event and needs x volunteers who can work 6 hour shifts to help their paid staff s who are all working from 9 AM to 5 PM. Which equation could be used to find the total hours h that are worked during the event?

- a. $h = x + s$
- b. $h = 6x + s$
- c. $h = 6x + 8s$
- d. $h = 8x + 6s$

(3) The student develops and implements community service activities. The student is expected to:

(C) plan, develop, and implement volunteer activities that will benefit individuals, families, or the community.

Question 5. Nelda is planning a community breakfast and is working under the rule of needing 2 volunteers for every 7 people coming to the breakfast. If Nelda has 124 volunteers, how many people can she handle at the breakfast?

- a. 248
- b. 434
- c. 868
- d. 1,736

(4) The student analyzes factors influencing employability skills. The student is expected to:

(C) demonstrate effective verbal, nonverbal, and written communication skills.

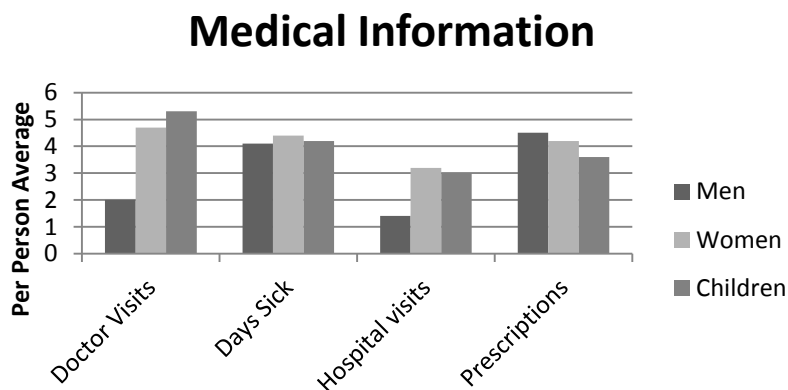
Question 6. City Center High School has a goal for 70% of parents to come to open house night this year. Mrs. Smith is the school social worker and calls every one of the school's 859 students. If she was able to talk to 56% and they agreed to attend, how many more parents are needed to meet the goal?

- a. 120
- b. 279
- c. 481
- d. 601

(1)The student explores careers in family services. The student is expected to:

(A) identify family services.

Question 7. Analyze the chart below.



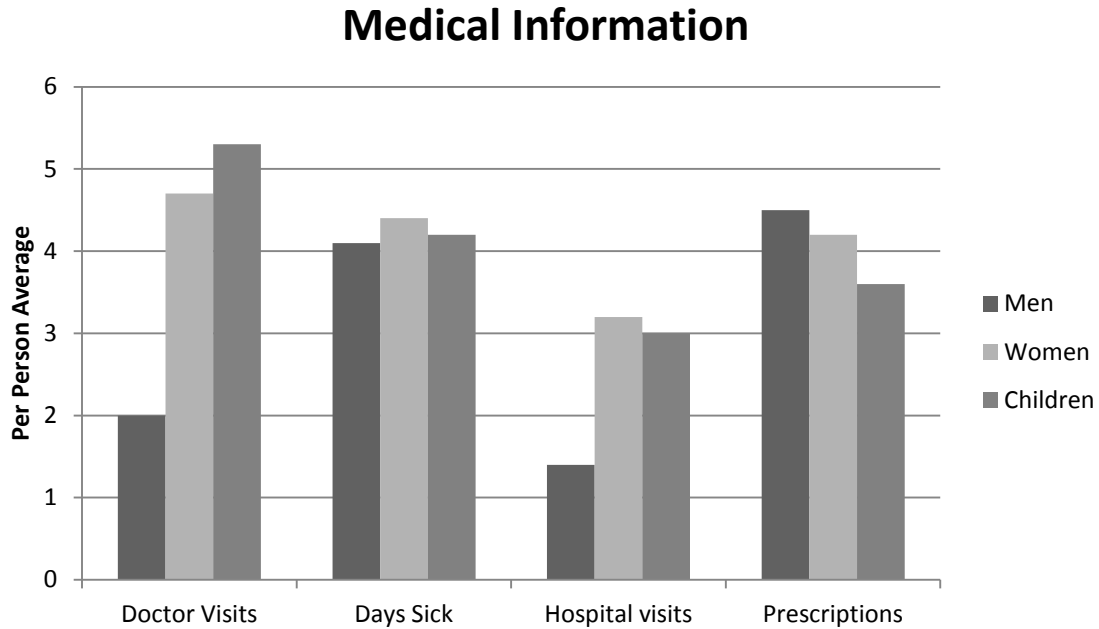
Which of the following statements is **NOT** a logical conclusion?

- a. Children on average have the most doctor visits.
- b. Women on average have the most hospital visits.
- c. Men on average have the most prescriptions.
- d. Children on average are sick the most.

(1)The student explores careers in family services. The student is expected to:

(A) Identify family services.

Question 8. Analyze the chart below.



If these averages are per year, about how many days would a male business man miss during his life time if he works from age 25 to 63?

- a. 150
- b. 158
- c. 204
- d. 252

(1) The student explores careers in family services. The student is expected to:

(C) research to find agencies, organizations, and churches offering family services in the student's area.

Question 9. Omar is trying to find a place for a homeless student and his family. He knows of an apartment complex that has a sliding scale for rent, r , based on the income of the family, f , divided by the number of people, p , in the family times 20%. Which equation could be used to find rent, r ?

- a. $r = \frac{p}{f} (.20)$
- b. $r = fp(.20)$
- c. $r = \frac{f}{20p}$
- d. $r = \frac{f}{p} (.20)$

(2) The student demonstrates organizational and leadership skills using a community service environment. The student is expected to:

(E) evaluate and identify effective strategies and skills necessary to establish a collaborative relationship with others in community service settings.

Question 10. Michael is trying to raise \$3,250 for a local homeless shelter. He plans to sell coupon books for \$20 each, and the shelter will receive 85% of the fee. How many coupon books need to be sold to meet the goal of \$3,250?

- a. 163
- b. 192
- c. 236
- d. 279

Answer Key

- 1) C
- 2) B
- 3) B
- 4) C
- 5) C
- 6) A
- 7) D
- 8) B
- 9) D
- 10) B