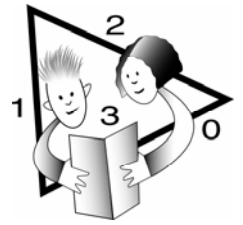


You Be the Teacher—Evaluating Answers

Data Analysis, Probability, Statistics, and Discrete Math



Directions: Work independently to solve the problem below. Compare your answers with those of others in your group. Then make any changes needed so that everyone has a correct answer.

The Task: Nasser earns \$1,000 a month. When Nasser told his boss that he was looking for a new job, his boss told him she would give him a raise but that he must choose from one of two plans.

- In Plan A, Nasser would get double his present salary for the year and would be paid in monthly checks of equal amounts over the next 12 months.
- In Plan B, Nasser would get paid 15% more than the amount of money he made the previous month for each of the next 12 months.

Nasser made the following table for the first six months to show how much he would make each month.

Month #	Plan A Equal checks over 12 months	Plan B Salary at 15% increases
1	\$2,000	\$1,150.00
2	2,000	1,322.50
3	2,000	1,520.87
4	2,000	1,749.01
5	2,000	2,011.36
6	2,000	2,313.06

Based on this table, Nasser decided to take Plan A.

- Did Nasser choose the plan that would give him the most salary over the year?
- If yes tell why. Make sure to use specific examples and amounts from the problem.
- If no tell why. Make sure to use specific examples and amounts from the problem.

You may want to use your calculator to help solve this problem.

Write your answer in the space below.