1) A student scores 70, 83, 95, and 100 on Algebra tests. What would the score of the fifth test have to be if the mean of the test scores is 85?

2) A home improvement company charges $3,000 plus $15 per square foot to add an all-seasons room to a house. How many square feet are in the Smith's all-seasons room if their total cost was $4,800?

3) A rectangular mirror is 50 cm longer than it is wide. If the frame measures 240 cm, what are the dimensions of the mirror?

4) Sam invests his $83,000 inheritance in two accounts, one paying 3% annual interest and the other paying 4.5%. If he earns $2535 in interest after one year, how much is invested in each account?

5) A child's plate at New Country Buffet is $6.50 and an adult plate is $8.25. If the Nelson's want to take their whole family out to eat (32 people in all), the cost will be $243. How many children under 12 are in their family?