



Homework Puzzle:

1. The average age of Amy, Betty, Cathy and Daisy is 25 years old. The average age of Cathy and Daisy is 21 years old. What is the average age of Amy and Betty?

Remember:

$$\text{Average} = \frac{\text{Sum or Total number of the values}}{\text{Number of values}}; \text{ So, Total} = \text{Average} \times \text{Number of values}$$

2. In the figure shown, the numbers 1, 2, 3, 5, 6, and 7 are to be placed one in each empty square. The following 4 sums are the same: the numbers in the left column, the numbers in the right column, and the numbers in each diagonal. What is the greatest possible product of the 3 numbers across the yellow row?

