

1. When two times a number is decreased by 3, the result is 11. What is the number?

2. Bustblocker charges \$9 to rent a movie for one week. Membership is free. Fletnix charges only \$4 to rent a movie for one week. Only members can rent from the store and membership is \$50 per year. After how many movie rentals will the total amount spent at each store be the same?

3. After a 40% reduction, you purchase a dictionary for \$57.60. What was the dictionary's price before the reduction?

4. The length of a rectangular pool is 6 meters less than twice the width. If the pool's perimeter is 126 meters, what are its dimensions?

5. Solve the formula $P = C + MC$ for M .

6. Now solve the formula $P = C + MC$ for C .