

Activity four

Variable Expressions

Strategy: The Decide Model

Directions: Work with a learning partner and choose **one** of the problem sets below. Each problem set consists of five verbal expressions which you will translate into mathematical symbols. Problem set I is for beginners. Problem set II is more challenging than problem set I and problem set III is most challenging. Your score will be determined as follows. Each student will receive 70 points for participating + :

- 2 pts for each correct response in problem set I
- 4 pts for each correct response in problem set II
- 6 pts for each correct response in problem set III.

Challenge

- I)
 - 1. Five more than a number
 - 2. Twice a number
 - 3. One less than a number
 - 4. A number squared
 - 5. Double a number

- II)
 - 1. Six more than twice a number
 - 2. One less than three times a number
 - 3. The square of one more than a number
 - 4. The ratio of a number and five
 - 5. Twice the sum of a number and one

- III)
 - 1. The sum of twice a number and one
 - 2. The difference between the cube of a number and its square
 - 3. The product of one less than a number and one more than the number
 - 4. The square of the product of two consecutive even numbers
 - 5. The ratio of two consecutive odd numbers.