Multiplication Attack Strategy

Cullinan, D., Lloyd, J., & Epstein, M.H. (1981). Strategy training: A structured
        approach to arithmetic instruction. *Exceptional Education Quarterly*, 2, 41-
        49.

This Math strategy is designed help to teach multiplication facts. Before using the
strategy it is essential that the teacher determine what the learner has to do to
implement the strategy and determine whether or not the student possesses the
necessary skills; this can be done by using a task analysis (Figure 1).

Steps in Attack Strategy

Example:

1. Read the problem
2. Point to a number that you can count by:
3. Make the number of marks indicated
   by the other number.
4. Begin counting by the number you know
   how to count by and count up once for
   each mark, touching each mark.
5. Stop counting when you've touched the
   last mark.
6. Write the last number you said in the
   answer space.

2 x 5 =_____

student points to 2

///// (5 in this example)

"2, 4, 6, 8, 10"

2 x 5 = 10

Figure 1

Preskills for Multiplication Attack Strategy
1. Say the numbers 0 to 100.
2. Write the numbers 0 to 100.
3. Name x and = signs.
4. Make the number of marks indicated by numerals 0 to 10.
5. Count by numbers 1 to 10.
6. End counting-by sequences in various positions.
7. Coordinate counting-by and touching-marks actions.