

## Alternative Times Tables Progression

If you feel that the modules don't provide students with enough direct structure in addressing times tables, consider using a more systematic approach such as the one below:

- I. Times Tables (1-5 & under)
  - a. Array
  - b. Commutativity, e.g.  $5 \times 2 = 2 \times \_$
  - c. Practice with variables
  - d. Word form, e.g. 4 twos
  - e. Number Bond
  - f. Connection to division
  - g. Tape Diagram with & without word problems
  
- II. Times Tables (6-10)
  - a. Array
  - b. Commutativity
  - c. Practice with variables
  - d. Word form
  - e. Number Bond
  - f. Connection to division
  - g. Tape Diagram with & without word problems
  
- III. Division
  - a. Partitive
  - b. Measurement
  - c. Number Bond
  - d. Connection to Multiplication
  - e. Practice with variables
  - f. Tape Diagram with & without word problems
  
- IV. Distributive Property with Multiplication
  - a. Mainly pivoting around the 5 & 10 facts
    - i. 5 threes + 2 threes = 7 threes
    - ii.  $(5 \times 3) + (2 \times 3) =$
    - iii. 10 twos + 4 twos = 14 twos
    - iv.  $(10 \times 2) + (4 \times 2) =$
  - b. Tape Diagram with & without word problems
  
- V. Distributive Property with Division
  - a. Division facts within 10, mainly pivoting around the 5 & 10 facts
    - i.  $(10 \div 2) + (6 \div 2) = 16 \div 2$
    - ii.  $(20 \div 2) + (6 \div 2) = 26 \div 2$
  - b. Tape Diagram with & without word problems