

**Multiply'n'Divide Village 0-19**  
**Exploration 1: Multiplication Basics**

**Learning Objectives**

- 1A: Use manipulatives to demonstrate the meaning of multiplication.  
1B: Multiply factors whose products do not exceed 18.  
1C: Understand that the order of factors does not influence the product.

**Assessment Task 1A:** Set twenty 1-blocks in front of the student. Prompt the student to demonstrate  $3 \times 4$  with the blocks (accept either three groups of four or four groups of three, although the first is preferable.) Repeat with different numbers if evidence is inconclusive (products up to 18).

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**Assessment Task 1B:** Show the student Assessment Master 1B (below). Ask him/her to name the product for each expression. Although speed is not the goal, the student should use strategies in a timely manner.

$8 \times 1$	$3 \times 3$	$2 \times 9$	$7 \times 0$
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**Assessment Task 1C:** Give the student a piece of blank paper and a pencil. Ask him/her to draw a picture that shows  $2 \times 3$  and another picture that shows  $3 \times 2$ . Ask him/her to explain what s/he notices (ask additional questions, if needed, to find out if s/he understands that the order of the factors does not influence the product).