

Name : \_\_\_\_\_

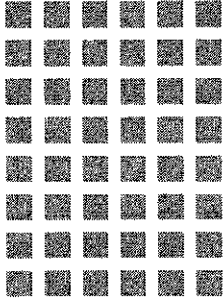
Assessment # 4  
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : Grade 3

# Advanced Multiplication Facts with Arrays

1)



\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

2)



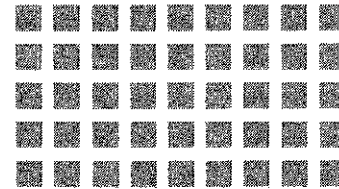
\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
= \_\_\_\_\_

3)



\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
= \_\_\_\_\_

4)



\_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Advanced Multiplication Facts with Arrays

For each problem, write two multiplication equations using the rows and columns to describe the array. Then, write two division equations that also describe the array.

5)



\_\_\_\_ x \_\_\_\_ = \_\_\_\_

6)



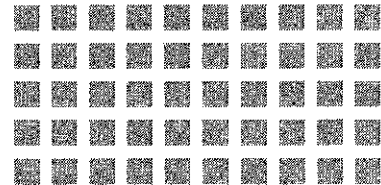
\_\_\_\_ x \_\_\_\_ = \_\_\_\_

7)



\_\_\_\_ x \_\_\_\_ = \_\_\_\_

8)



\_\_\_\_ x \_\_\_\_ = \_\_\_\_



## MULTIPLICATION ARRAY ASSESSMENT

### EE- 8

The student consistently shows a mastery of the meaning of an array and can provide the correctly multiplication sentence to match it. The student understands how many rows are in an array. When given an array, the student can apply knowledge to determine the first factor by how many rows there are and then counting the number in each row for the second factor.

### ME-7

The student shows an almost complete understanding of the meaning of an array and can provide the correctly multiplication sentence to match it. The student understands how many rows are in an array. When given an array, the student can apply knowledge to determine the first factor by how many rows there are and then counting the number in each row for the second factor.

### AE-5-6

The student shows a partial understanding of the meaning of an array and can sometimes provide the correctly multiplication sentence to match it. The student partially understands how many rows are in an array. When given an array, the student can sometimes apply knowledge to determine the first factor by how many rows there are and then counting the number in each row for the second factor.

### BE-4 OR BELOW

The student shows serious lack of understanding of the meaning of an array and does not provide the correctly multiplication sentence to match it. The student does not always understand how many rows are in an array. When given an array, the student does not apply knowledge to determine the first factor by how many rows there are and then counting the number in each row for the second factor.

