Lesson 7 Objective: Represent arrays and distinguish rows and columns using math drawings.

Name _____ Date _____

1. a. One row of an array is drawn below. Complete the array with X's to make 3 rows of 4. Draw horizontal lines to separate the rows.

X X X X

b. Draw an array with X's that has 3 columns of 4. Draw vertical lines to separate the columns. Fill in the blanks.

_____ + _____ + _____ = _____

3 rows of 4 = _____

3 columns of 4 = _____

2. a. Draw an array of X's with 5 columns of three.

b. Draw an array of X's with 5 rows of three. Fill in the blanks below.

_____ + _____ + _____ + _____ + _____ = _____

5 columns of three = _____

5 rows of three = _____

In the following problems, separate the rows or columns with horizontal or vertical lines.

3. Draw an array of X's with 4 rows of 3.

_____ + _____ + _____ + _____ = _____

4 rows of 3 = _____

4. Draw an array of X's with 1 more row of 3 than the array in Problem 3. Write a repeated addition equation to find the total number of X's.

5 Draw an array of X's with 1 less column of 5 than the array in Problem 4. Write a repeated addition equation to find the total number of X's.

Name _____ Date _____

Use horizontal or vertical lines to separate the rows or columns.

1. Draw an array of X's with 3 rows of 5.

___ + ___ + ___ = ___

3 rows of 5 = _____

2. Draw an array of X's with 1 more row than the above array. Write a repeated addition equation to find the total number of X's.

Name _____ Date _____

1. a. One row of an array is drawn below. Complete the array with X's to make 4 rows of 5. Draw horizontal lines to separate the rows.

X X X X X

b. Draw an array with X's that has 4 columns of 5. Draw vertical lines to separate the columns. Fill in the blanks.

_____ + _____ + _____ + _____= _____

4 rows of 5 = _____

6 columns of 5 = _____

2. a. Draw an array of X's with 3 columns of 4.

b. Draw an array of X's with 3 rows of 4. Fill in the blanks below.

_____ + _____ + _____ = _____

3 columns of 4 = _____

3 rows of 4 = _____

In the following problems, separate the rows or columns with horizontal or vertical lines.

3. Draw an array of X's with 3 rows of 3.

_____ + _____ + _____ = _____

3 rows of 3 = _____

4. Draw an array of X's with 2 more rows of 3 than the array in Problem 3. Write a repeated addition equation to find the total number of X's.

5. Draw an array of X's with 1 less column than the array in Problem 4. Write a repeated addition equation to find the total number of X's.