

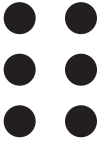


Name \_\_\_\_\_ Date \_\_\_\_\_

# Hands On: Arrays and the Commutative Property

CA Standards  
AF 1.5, AF 2.2

You can use arrays to multiply.

<p><b>Array</b></p> 	<p><b>Step 1 Think:</b></p> <ul style="list-style-type: none"> <li>• Count the number of rows.</li> <li>• Count the number of circles in each row.</li> </ul>	<p><b>Step 2 Write a multiplication sentence.</b></p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">3</td> <td style="padding: 0 10px;">×</td> <td style="padding: 0 10px;">2</td> <td style="padding: 0 10px;">=</td> <td style="padding: 0 10px;">6</td> </tr> <tr> <td style="padding: 0 10px;">number of rows</td> <td></td> <td style="padding: 0 10px;">number in each row</td> <td></td> <td style="padding: 0 10px;">total number</td> </tr> </table>	3	×	2	=	6	number of rows		number in each row		total number
3	×	2	=	6								
number of rows		number in each row		total number								
<p><b>Solution:</b> <math>3 \times 2 = 6</math>.</p>												

Write a multiplication sentence for each array.



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



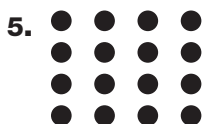
\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



\_\_\_\_\_

\_\_\_\_\_



**Writing Math** Phoebe says the array has  $5 \times 4$  stars. Katherine says there are  $4 \times 5$  stars. Which student is correct? Explain your answer.



\_\_\_\_\_

\_\_\_\_\_