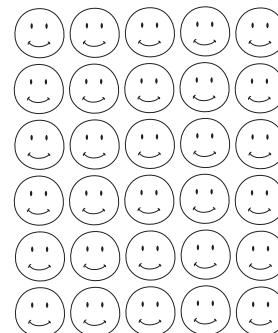


# Hands On: Arrays and the Commutative Property

**CA Standards**  
**AF 1.5, AF 2.2**

**Solve**



1. Fill in the blanks to describe the sheet of stickers.

\_\_\_\_\_ rows of \_\_\_\_\_ stickers

2. Multiply to find the total number of stickers that are on the sheet.

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3. **Reasoning** How can you use addition to check your product in Problem 2?

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4. Marcos buys a sheet of stickers that has 3 rows of stickers. Each row has the same number of stickers. After he takes one of the stickers off, there are 20 stickers left on the sheet. How many stickers were in each row of the sheet Marcos bought? Explain how you know.

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5. **Reasoning** A checkerboard has 8 rows of 8 squares. Half of the squares are black. How many squares on the checkerboard are black? Explain.

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6. Mary wants to put all of her stamps on a single page. She has one page with 3 rows of 8 stamps, another page with 4 rows of 5 stamps, and a third page with 6 rows of 4 stamps. Her new single page has 7 rows and can fit 10 stamps across. Can she fit all her stamps on the new page? Explain.

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