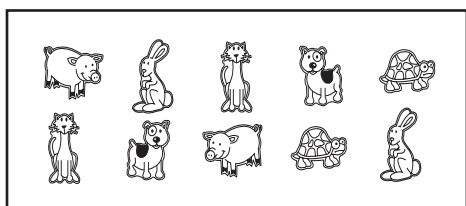


# Relate Multiplication and Division

**CA Standards**  
**KEY NS 2.3, MR 3.2**

Answer each question.

1. Fill in the blanks to describe using multiplication this sheet of animal stickers.



$$\begin{array}{ccc}
 \underline{\hspace{1cm}} & \times & \underline{\hspace{1cm}} & = & \underline{\hspace{1cm}} \\
 \uparrow & & \uparrow & & \uparrow \\
 \text{number of} & & \text{number in} & & \text{total} \\
 \text{rows} & & \text{each row} & & \text{number}
 \end{array}$$

3. Write 4 different multiplication and division sentences using the numbers 3, 9, and 27.

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2. Fill in the blanks to describe the same sheet of animal stickers with division in two ways.

$$\begin{array}{ccc}
 \underline{\hspace{1cm}} & \div & \underline{\hspace{1cm}} & = & \underline{\hspace{1cm}} \\
 \uparrow & & \uparrow & & \uparrow \\
 \text{total} & & \text{number} & & \text{number in} \\
 \text{number} & & \text{of rows} & & \text{each row}
 \end{array}$$

$$\begin{array}{ccc}
 \underline{\hspace{1cm}} & \div & \underline{\hspace{1cm}} & = & \underline{\hspace{1cm}} \\
 \uparrow & & \uparrow & & \uparrow \\
 \text{total} & & \text{number in} & & \text{number} \\
 \text{number} & & \text{each row} & & \text{of rows}
 \end{array}$$

4. If an array shows a square number, how many multiplication and division sentences can describe the array?

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5. Write a division sentence modeled by an array that has 2 more rows than the number in each row.

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6. Mary says that the greater the number of counters, the greater the number of different arrays you can form. Give an example that shows that Mary is wrong.

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