

**Homework**

Use the Algebraic Notation Method to solve each problem. Complete the steps.

1.  $7 \cdot 53$  \_\_\_\_\_

$53 =$	<div style="position: absolute; top: -10px; left: 50px;"><math>+</math></div>
<div style="position: absolute; top: -10px; left: 50px;"><math>+</math></div>	

$$\begin{aligned}
 7 \cdot 53 &= \underline{\hspace{2cm}} \cdot (\underline{\hspace{2cm}} + \underline{\hspace{2cm}}) \\
 &= 350 + 21 \\
 &= 371
 \end{aligned}$$

2.  $4 \cdot 38$  \_\_\_\_\_

$38 =$	<div style="position: absolute; top: -10px; left: 50px;"><math>+</math></div>
<div style="position: absolute; top: -10px; left: 50px;"><math>+</math></div>	

$$\begin{aligned}
 4 \cdot 38 &= \underline{\hspace{2cm}} \cdot (\underline{\hspace{2cm}} + \underline{\hspace{2cm}}) \\
 &= \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \\
 &= \underline{\hspace{2cm}}
 \end{aligned}$$

**Draw an area model and use the Algebraic Notation Method to solve the problem.**

*Show your work.*

3. Mr. Henderson needs to get plywood to build his flatbed trailer. The flatbed is 8 feet by 45 feet. What is the area of the flatbed Mr. Henderson needs to cover with plywood?

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**Remembering**

Subtract. Show your new groups.

$$\begin{array}{r} 1. \quad 4,000 \\ - 1,946 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 8,441 \\ - 7,395 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 9,340 \\ - 8,614 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 1,587 \\ - 1,200 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 6,193 \\ - 3,295 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 4,006 \\ - 2,631 \\ \hline \end{array}$$

Use the Expanded Notation Method to solve the problem.  
Complete the steps.

7.  $5 \times 68$  \_\_\_\_\_

8. **Stretch Your Thinking** Jenna made 6 bracelets using 32 beads each. Kayla made 7 bracelets using 29 beads each. Who used more beads? Use the Distributive Property to solve the problem.

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