Dear Family,

During the next few weeks, our math class will be learning about geometry and measurement. We will identify attributes of two- and three-dimensional figures, find the perimeter and area of two-dimensional figures, and find the volume of three-dimensional figures.

As we learn how to find the area of complex figures, you may wish to use this sample as a guide.

### Finding the Area of Complex Figures

Find the area of this complex figure.

Separate the figure into a rectangle and a square.

Use a formula to find the area of each figure.

<table>
<thead>
<tr>
<th>Area of the Rectangle</th>
<th>Area of the Square</th>
</tr>
</thead>
<tbody>
<tr>
<td>$A = l \times w$</td>
<td>$A = s \times s$</td>
</tr>
<tr>
<td>$A = 10 \text{ ft} \times 3 \text{ ft}$</td>
<td>$A = 3 \text{ ft} \times 3 \text{ ft}$</td>
</tr>
<tr>
<td>$A = 30 \text{ ft}^2$</td>
<td>$A = 9 \text{ ft}^2$</td>
</tr>
</tbody>
</table>

Add both areas to find the area of the complex figure.

$30 \text{ ft}^2 + 9 \text{ ft}^2 = 39 \text{ ft}^2$

The area is 39 square feet.

Learning about geometry and measurement will help students understand the geometric concepts they see in the world around them.

Sincerely,

Your Child’s Teacher