

## Worksheet 4: Building a Grade Level Concept (Calculating Changes in Area)

length x width = area


$$\begin{array}{c} \text{_____} \\ \text{Length} \end{array} \times \begin{array}{c} \text{_____} \\ \text{Width} \end{array} = \begin{array}{c} \text{_____} \\ \text{Area} \end{array}$$

$$\begin{array}{c} \text{_____} \\ \text{Length} \end{array} \times \begin{array}{c} \text{_____} \\ \text{Width} \end{array} = \begin{array}{c} \text{_____} \\ \text{Area} \end{array}$$

$$\begin{array}{c} \text{_____} \\ \text{Larger Area} \end{array} - \begin{array}{c} \text{_____} \\ \text{Smaller Area} \end{array} = \begin{array}{c} \text{_____} \\ \text{Difference in Area} \end{array}$$

## Worksheet 4: Generalization

Malia bought a new carpet for her bedroom. The carpet was 4 feet by 6 feet. She got it home and realized it was way too small for her room. She took it back to the store and exchanged it for a larger size. The new carpet is 8 feet by 10 feet. Calculate the change in the area.

$\frac{\text{Length}}{\text{Length}} \times \frac{\text{Width}}{\text{Width}} = \frac{\text{Area 1}}{\text{Area 1}}$	 <p>Old Carpet 4</p> <p>6</p> <p>8</p> <p>New Carpet 10</p>
$\frac{\text{Length}}{\text{Length}} \times \frac{\text{Width}}{\text{Width}} = \frac{\text{Area 2}}{\text{Area 2}}$	
$\frac{\text{Larger Area}}{\text{Larger Area}} - \frac{\text{Smaller Area}}{\text{Smaller Area}} = \frac{\text{Difference in Area}}{\text{Difference in Area}}$	