## 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.


## Materials:

## area $=$ length x width

Example of poster board labeled with length and width:

surface area $=2($ length $x$ height $)+2($ height $x$ width $)+2($ width $x$ length $)$




## Student Vocabulary Card:



Surface Area $=$ The space inside the perimeter of the net.

Length $=$ The longest side.


Area $=$ The space inside the perimeter.
$\square$ Length = The longest side of the rectangle.
$\square$ Width = The shortest side of the rectangle.


Width $=$ The shortest side .


Height = The part that goes up and down.

