TASK: Create as many different rectangular chocolate bars with an area of 12 inches.

* You may use color tiles or a geoboard to help you think about the task.

Record all your possible chocolate bars in the chart below.

|  |  |  |  |
| --- | --- | --- | --- |
| Area | Length | Width | Perimeter |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Sketch and label each chocolate bar below.

Did all your chocolate bars have the same perimeter? Why or why not?

How could you prove that you have found all the possible rectangular chocolate bars?