**Math Task 2: The Metropolitan Nashville Arts Commission has asked your team to create a replica of Michael Dillon’s sculpture, *Aileron,* to house inside a display case at the McCabe Park Community Center.**

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**Part 1: *Aileron* is 18 feet tall and 25 feet wide. Create a replica that is 4 ½ feet tall and is proportional to the sculpture of *Aileron*.**

Draw a sketch and show your calculations:

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Explain how you solved the problem:

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**Part 2: *Aileron* is 18 feet tall and 25 feet wide. Create a replica that is 12 ½ feet wide and is proportional to the sculpture of *Aileron*.**

Draw a sketch and show your calculations:

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Explain how you solved the problem:

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**Part 3: Determine if the Aileron sculpture and replicas are directly proportional.**

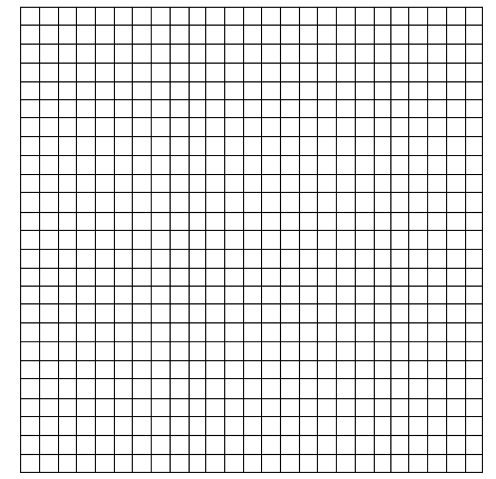
Create a table that includes the width and height of the sculpture and replicas.

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| **Width** | **Height** |
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What observations can be made from the table?

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Graph the width and height of the sculpture and replicas on the coordinate plane:



Are the sculpture and replicas directly proportional? Explain your reasoning.

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