NAME

Module 10Coordinate Geometry and Spatial VisualizationLesson 5Building Models





Pete says that any net made from six squares can be folded into a cube. Do you agree? Explain.



How many different nets are there for a cube?



Molly says that the right and left views of a figure are always the same. Do you agree? Explain.



Sketch or build a three-dimensional figure with these views.







Front View



Right View

NAME

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Possible Answers

Set 1

1. Disagree. In order to fold into a cube, the six squares of the net must be positioned correctly. If not, the net will not fold into a cube. For example, the six-square net shown here cannot be folded into a cube. If you fold it, there is a hole left on one side.



2. The 11 nets are shown below.



Set 2

1. No. The left- and right-side views of a figure can be different. For example, in the figure shown here, the left-side and right-side views are not the same. They are mirror images, however.

