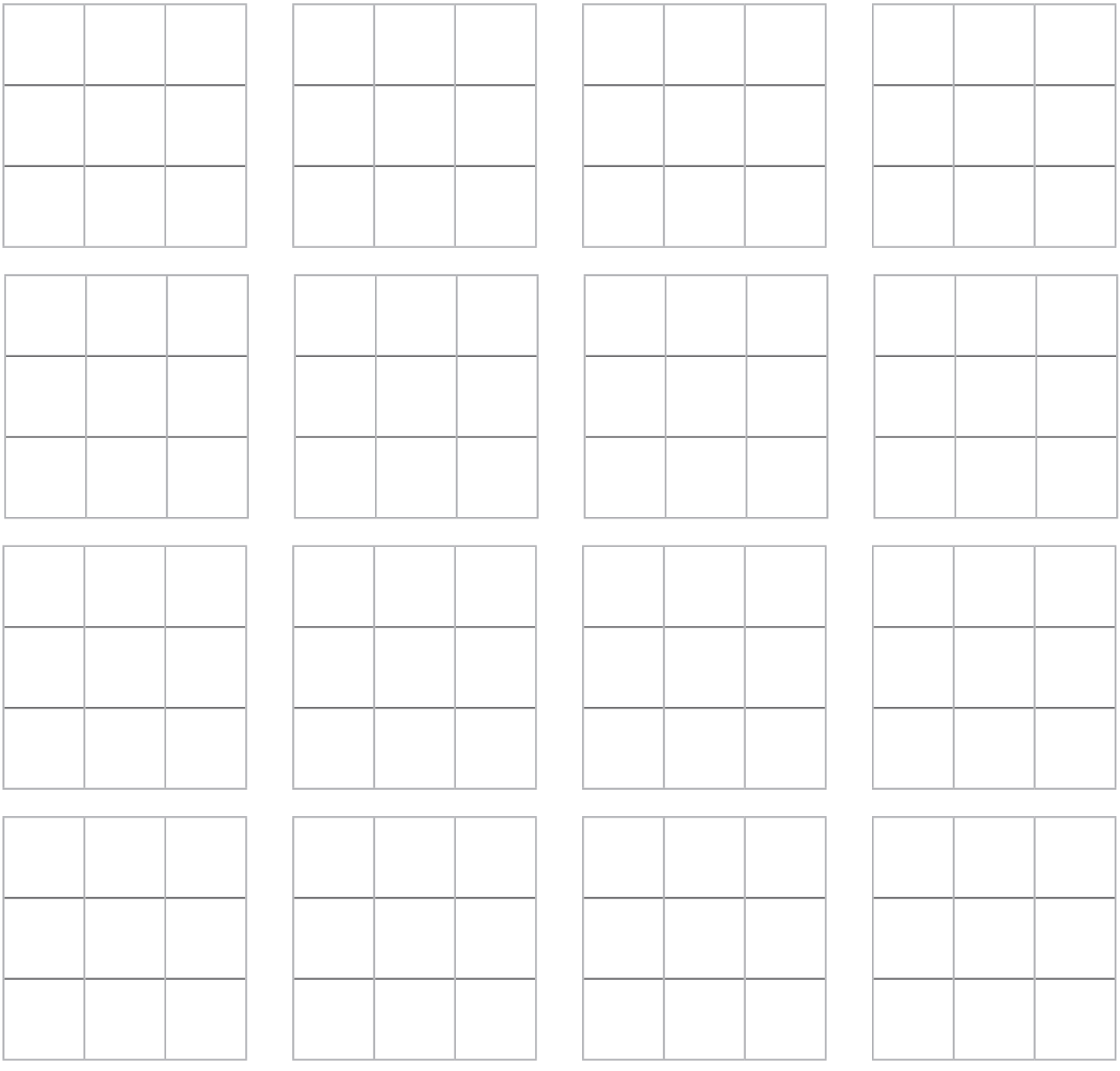
Perimeter Fence Investigation

Aim: I can calculate the perimeter of composite rectilinear shapes.

A gardener has a square garden, which is 3m square. She has 12 one metre lengths of fence, which she wants to use to divide the garden so there is a piece of grass surrounded by the 12m of fence. Any other part of the garden left over will be used to grow flowers and vegetables.

Draw possible ways to fence the garden on the following grids. When you have finished, look carefully at your solutions and match any that are the same if rotated.



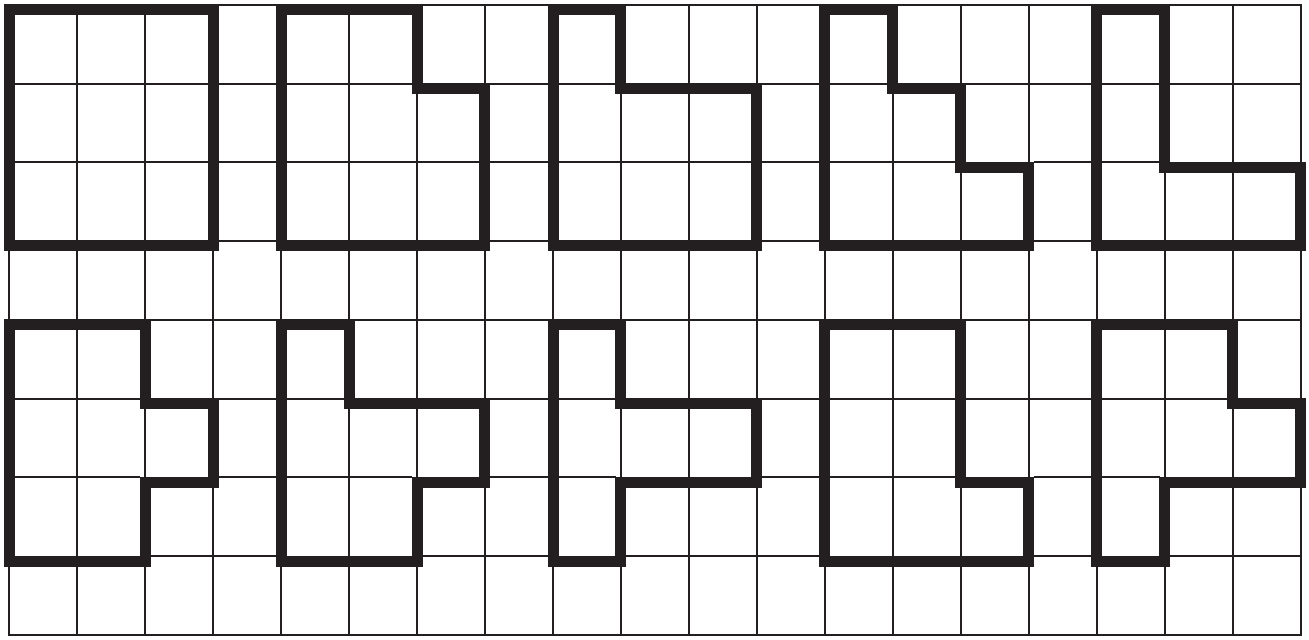
Perimeter Fence Investigation **Answers**

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A gardener has a square garden, which is 3m square. She has 12 one metre lengths of fence, which she wants to use to divide the garden so there is a piece of grass surrounded by the 12m of fence. Any other part of the garden left over will be used to grow flowers and vegetables.

Draw possible ways to fence the garden on the following grids. When you have finished, look carefully at your solutions and match any that are the same if rotated.

The solutions for a 3m square garden are shown below. With the exception of the first solution, they can all be rotated to provide four rotated solutions.

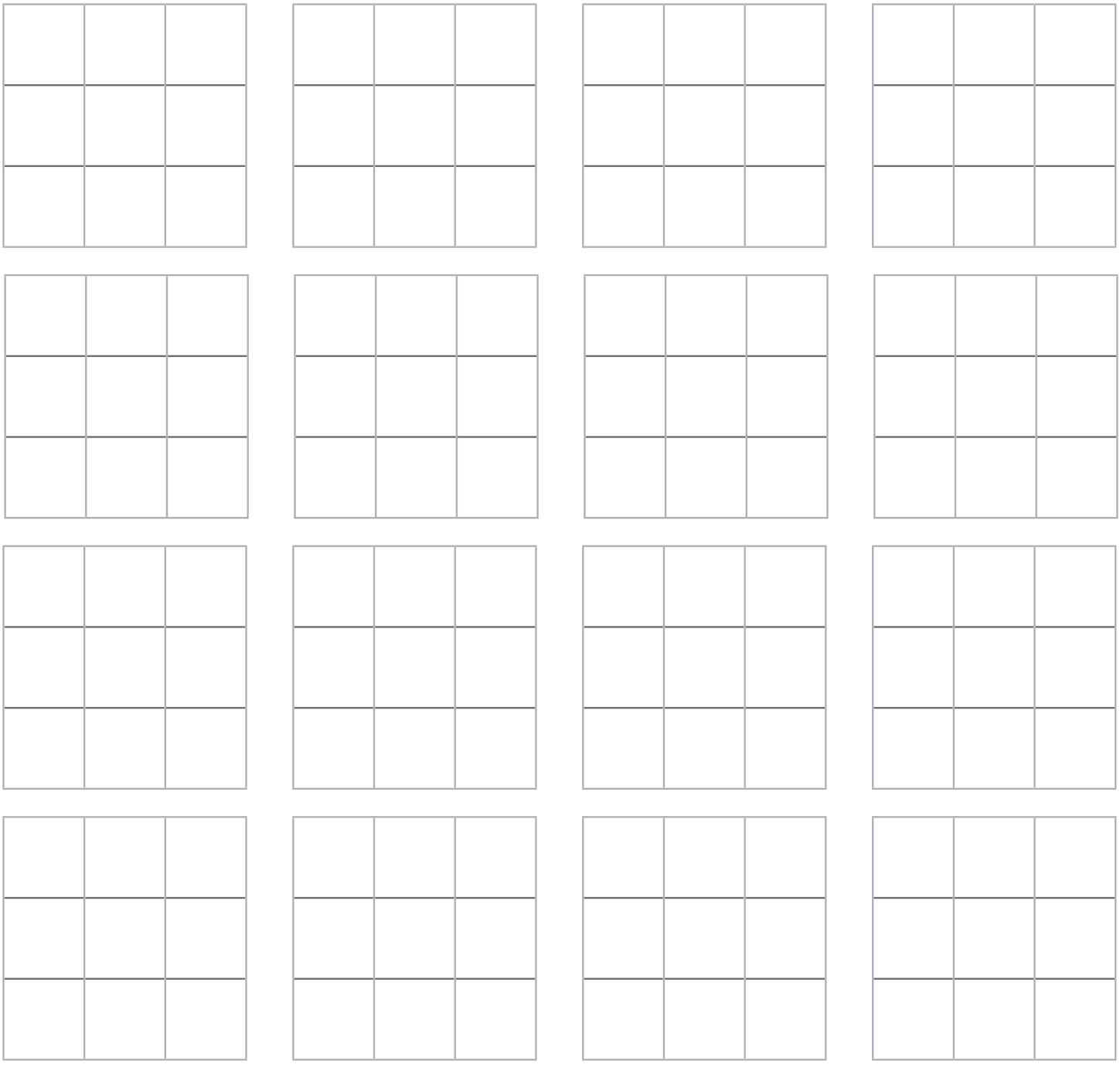


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Draw all the possible ways to fence the garden on the following grids. Solutions should not be rotated. Think carefully about a system you can use to ensure you draw them all.



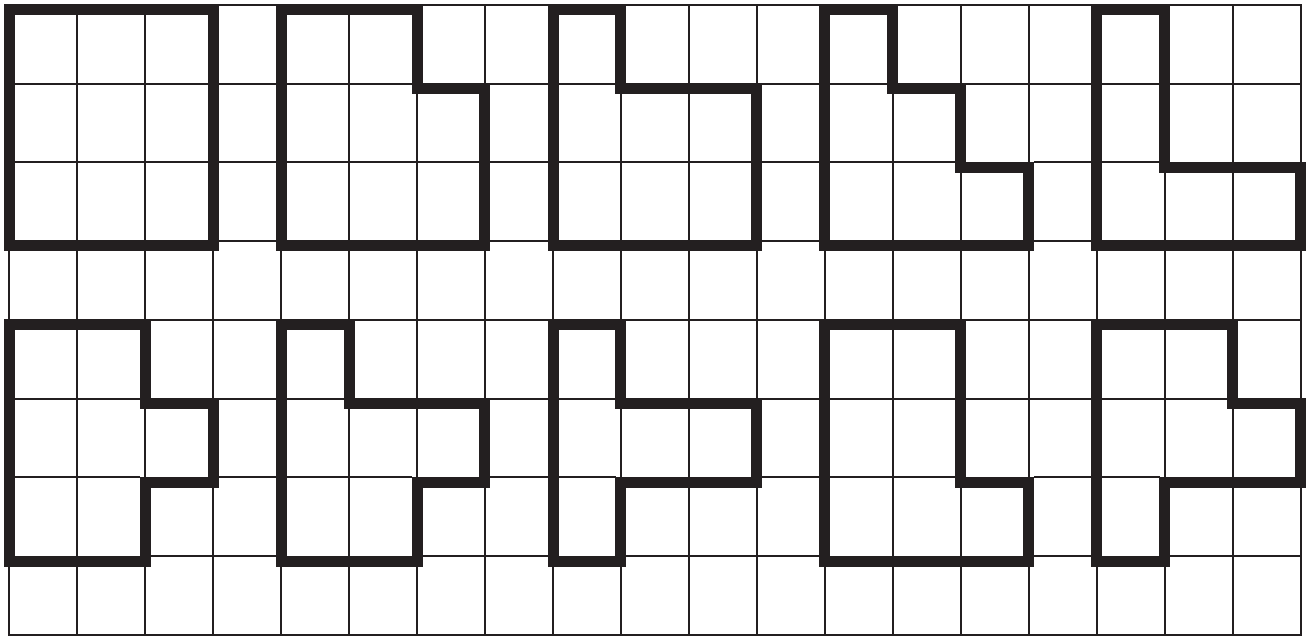
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Draw all the possible ways to fence the garden on the following grids. Solutions should not be rotated. Think carefully about a system you can use to ensure you draw them all.

The solutions for a 3m square garden are shown below. With the exception of the first solution, they can all be rotated to provide four rotated solutions.

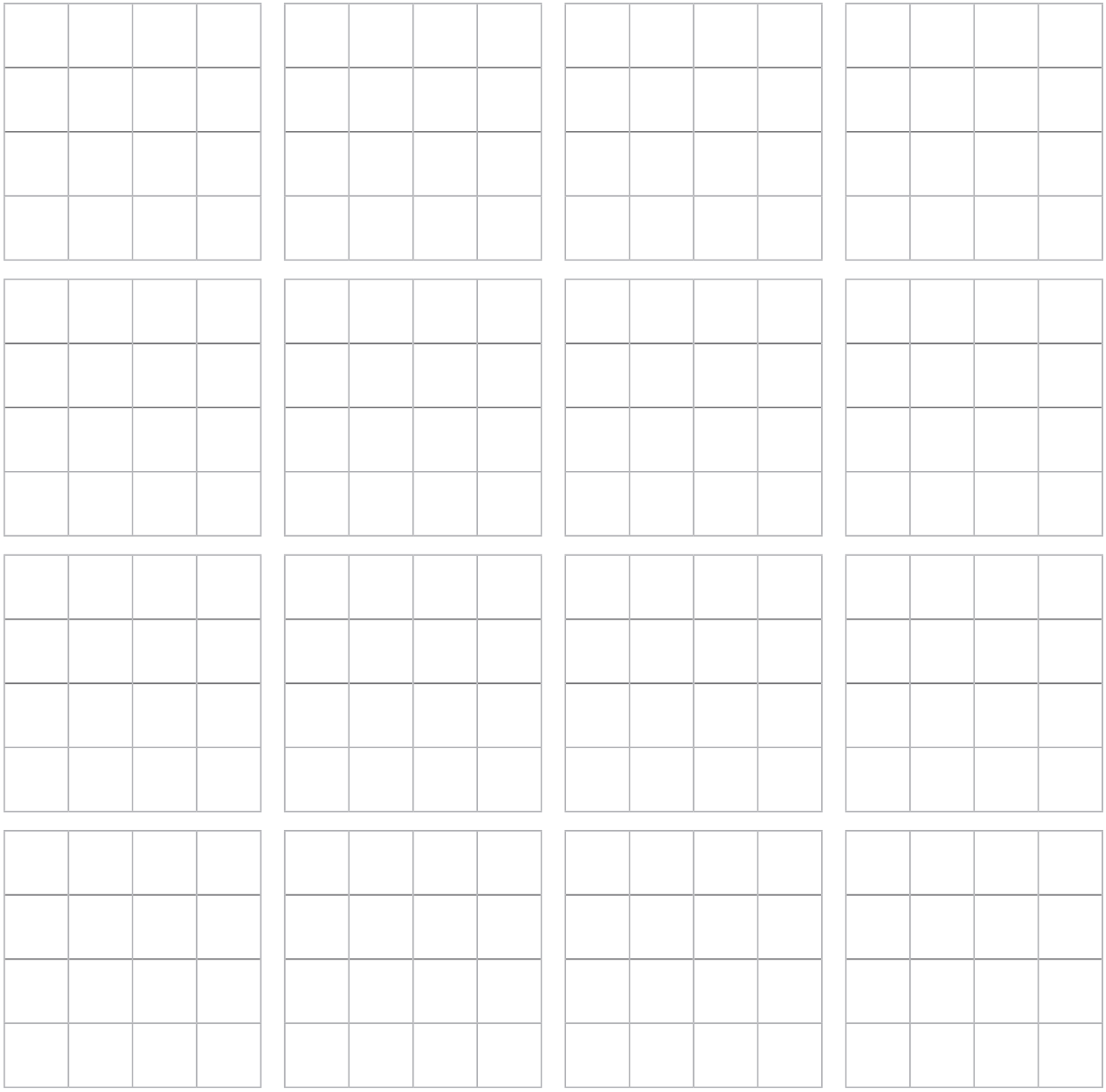


Perimeter Fence Investigation

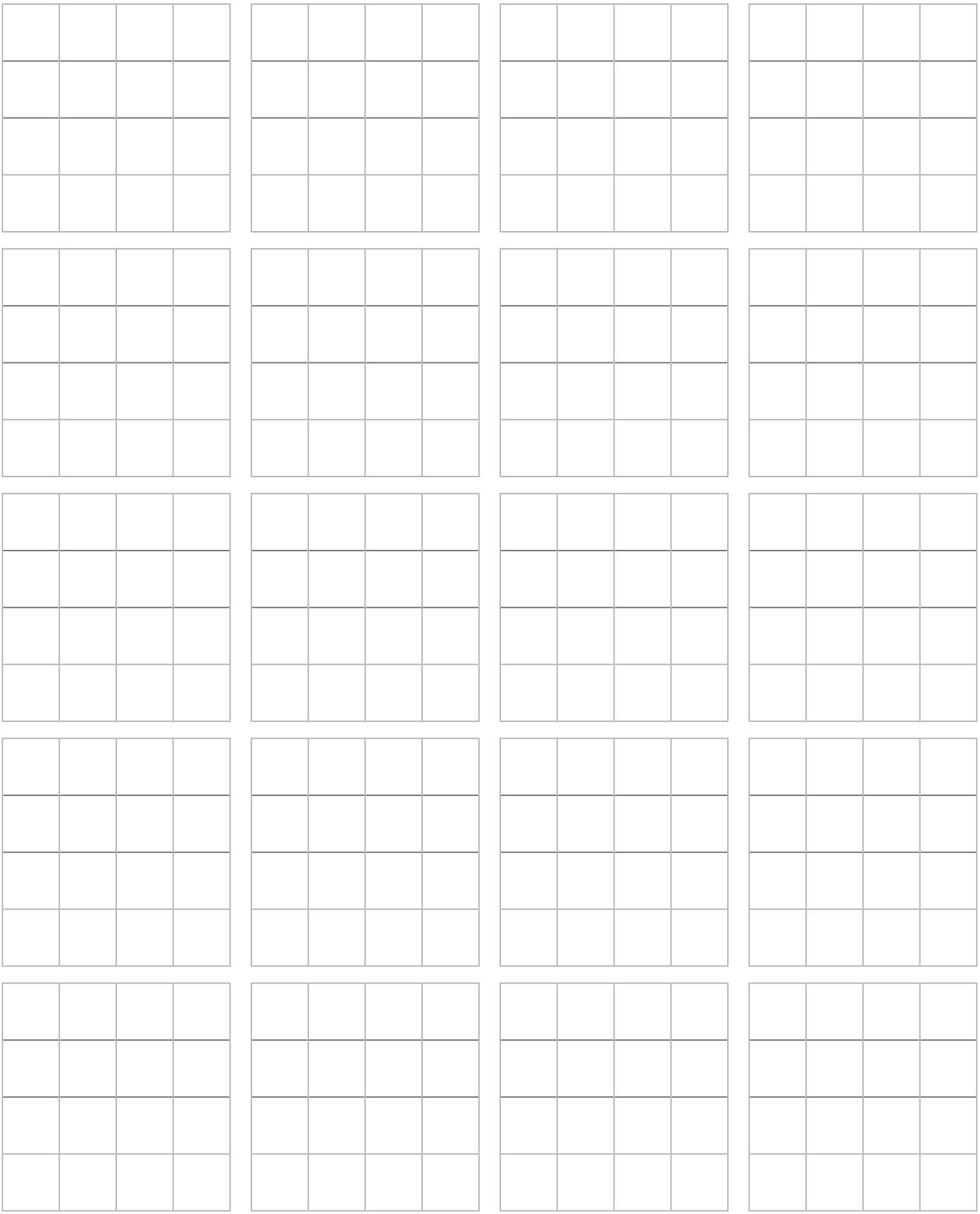
Aim: I can calculate the perimeter of composite rectilinear shapes.

A gardener has a square garden, which is 4m square. She has 16 one metre lengths of fence, which she wants to use to divide the garden so there is a piece of grass surrounded by the 16m of fence. Any other part of the garden left over will be used to grow flowers and vegetables.

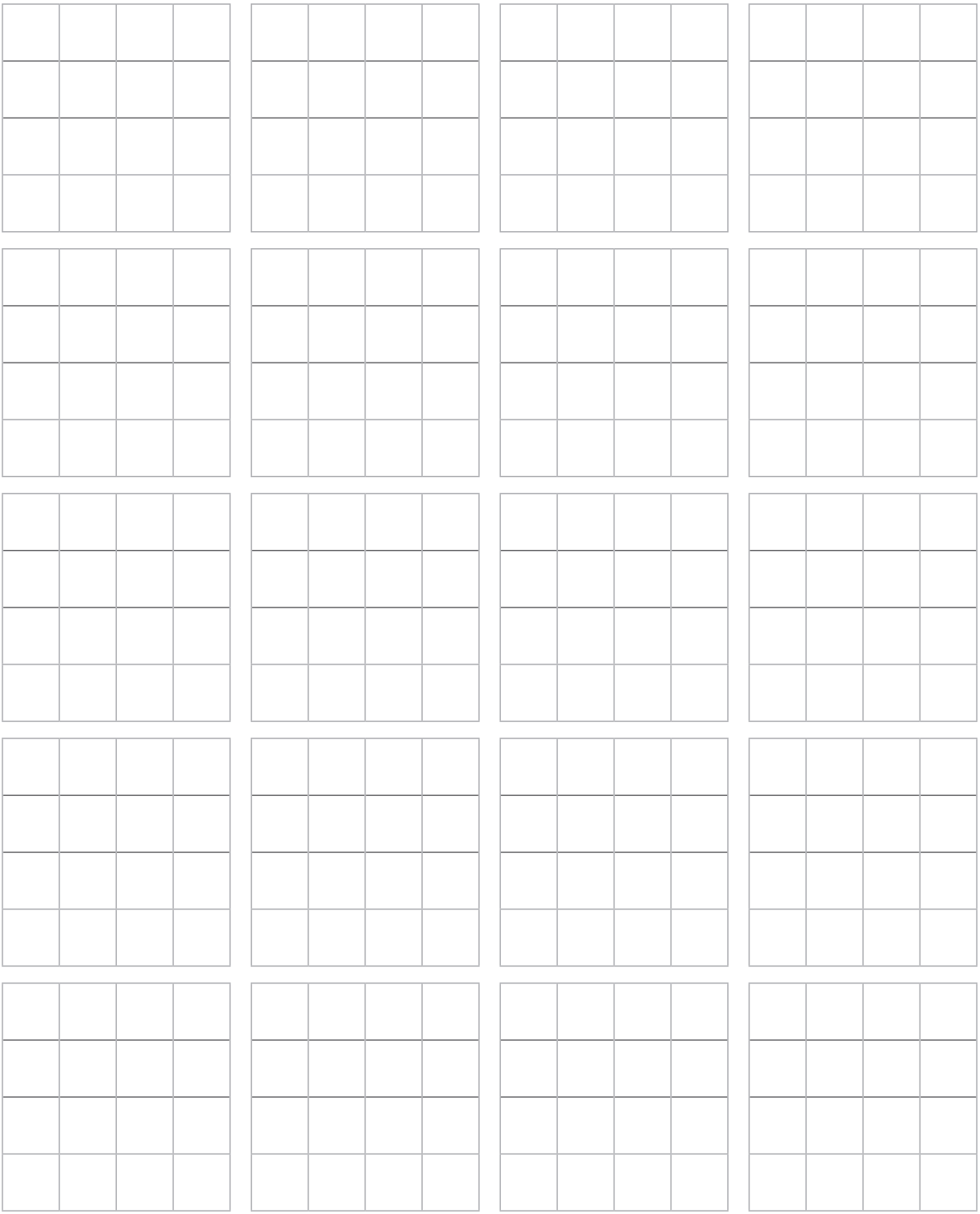
Draw all the possible ways to fence the garden on the following grids. Solutions should not be rotated. Think carefully about a system you can use to ensure you draw them all.



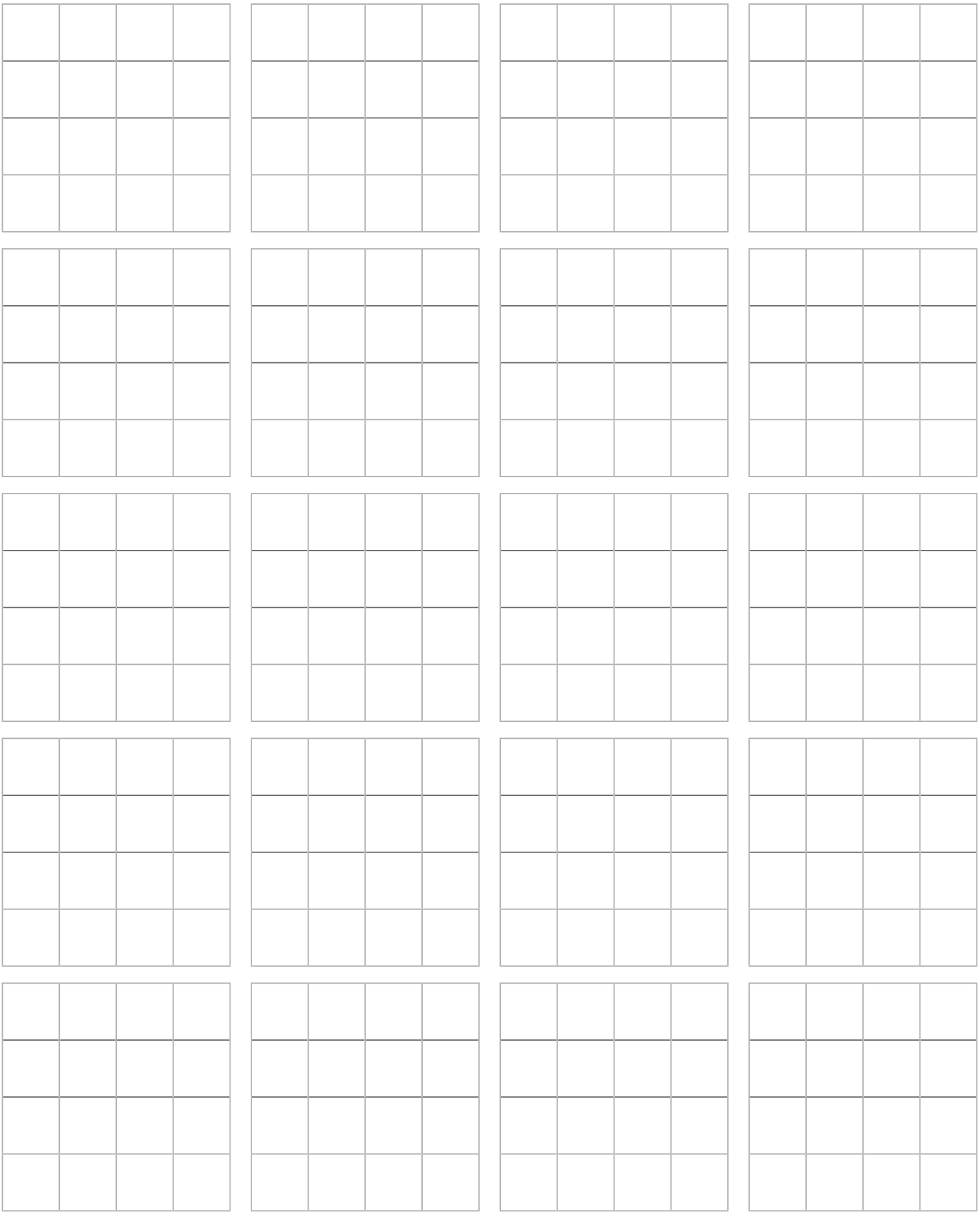
Perimeter Fence Investigation



Perimeter Fence Investigation



Perimeter Fence Investigation



Perimeter Fence Investigation **Answers**

Aim: I can calculate the perimeter of composite rectilinear shapes.

A gardener has a square garden, which is 4m square. She has 16 one metre lengths of fence, which she wants to use to divide the garden so there is a piece of grass surrounded by the 16m of fence. Any other part of the garden left over will be used to grow flowers and vegetables.

Draw all the possible ways to fence the garden on the following grids. Solutions should not be rotated. Think carefully about a system you can use to ensure you draw them all.

The solutions for a 4m square garden are shown below. With the exception of the first solution, they can all be rotated to provide four rotated solutions.

