

DOT PUZZLES

DIFFICULTY LEVEL:

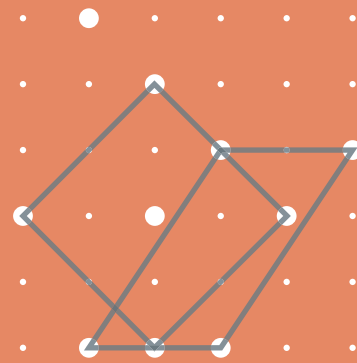
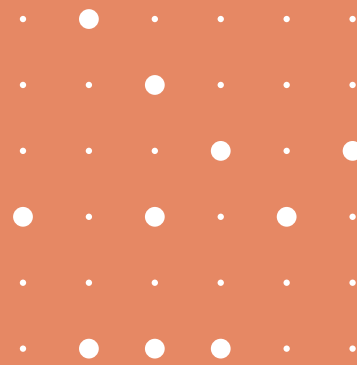


In a **Dot Puzzle**, the goal is to use the given points to make the target quadrilaterals. In each quadrilateral, the four corners need to be on four of the given points.

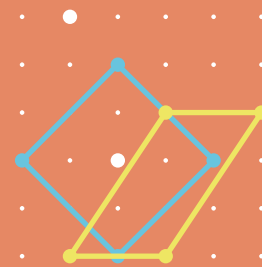
The quadrilaterals can intersect and overlap, but each point can only be the corner of at most one quadrilateral.



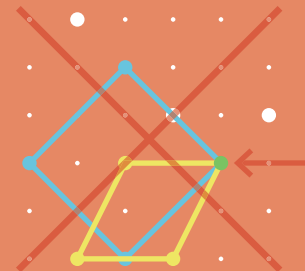
1 square and 1 parallelogram



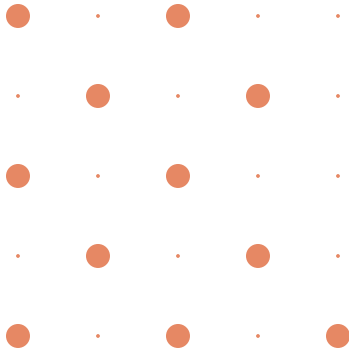
In the solution to the example, the square and its four corners are blue, and the parallelogram and its four corners are yellow. Every point is the corner of at most one quadrilateral!



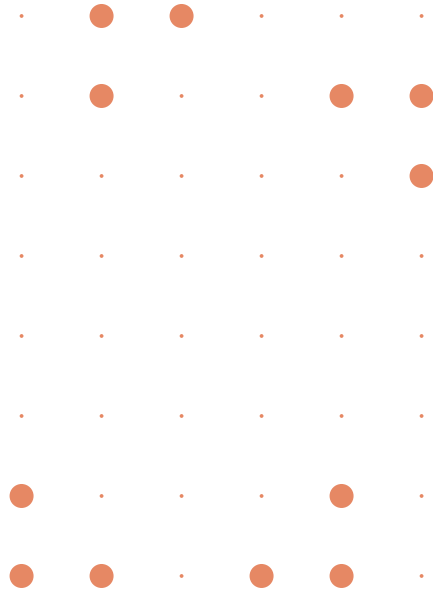
This is not a valid solution to the example puzzle. The green point is the corner of two different quadrilaterals!



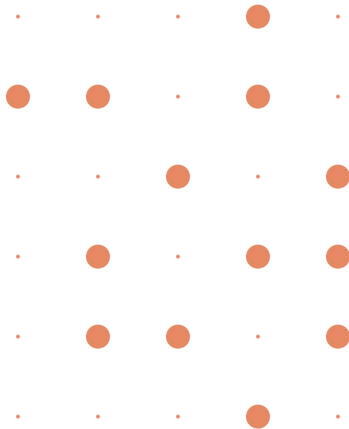
25. 1 rhombus and 1 rectangle
 (Neither can be a square.)
 H



26. 2 rectangles
 H



27. 3 squares
 H



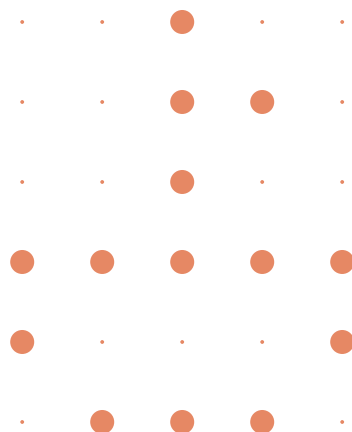
28. 3 squares
 H



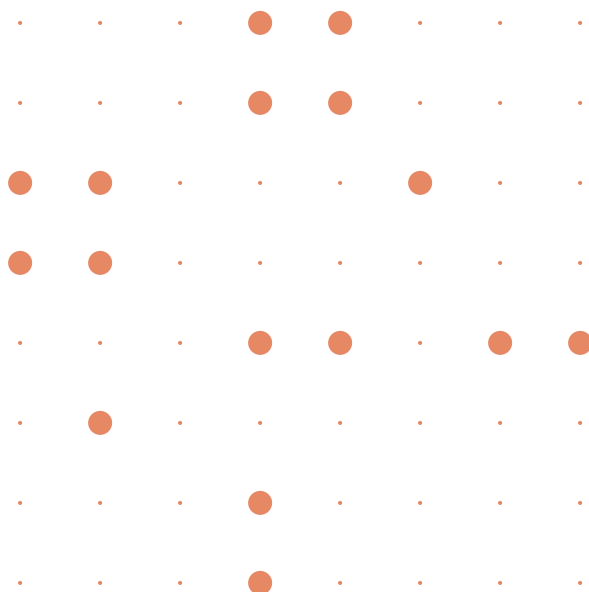
29. 2 parallelograms
 (Neither can be a rectangle.)
 H



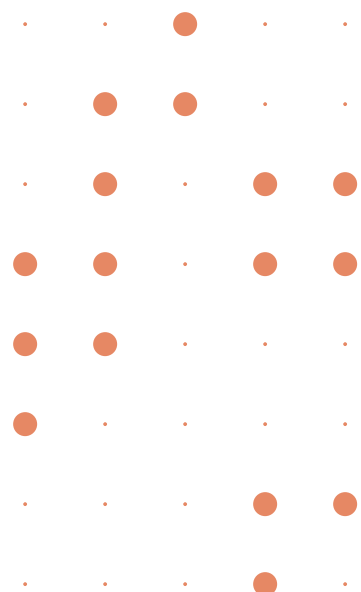
30. 1 square
 1 rectangle
 1 parallelogram
 H



31. 4 squares
 H

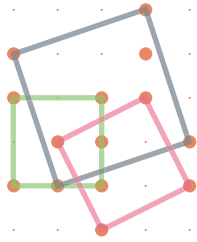


32. 4 rectangles
 (At least one is also a square.)
 H

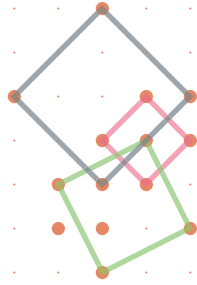


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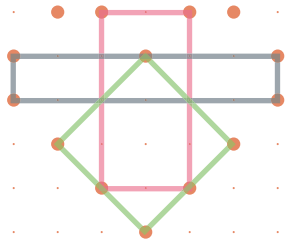
21.



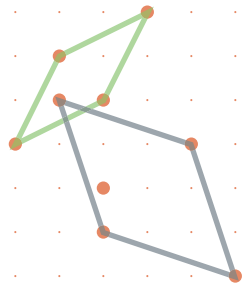
22.



23.

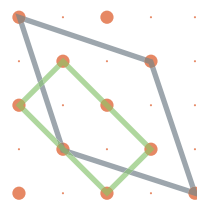


24.

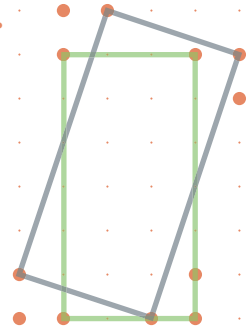


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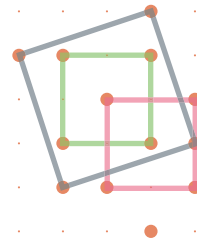
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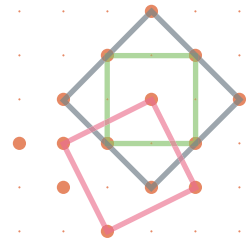
26.



27.

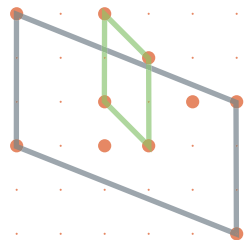


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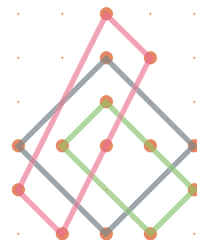


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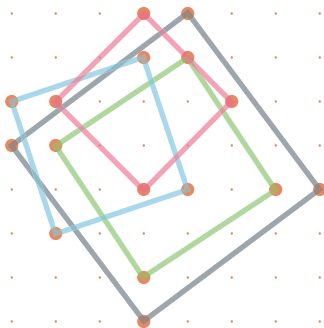
29.



30.



31.



32.

