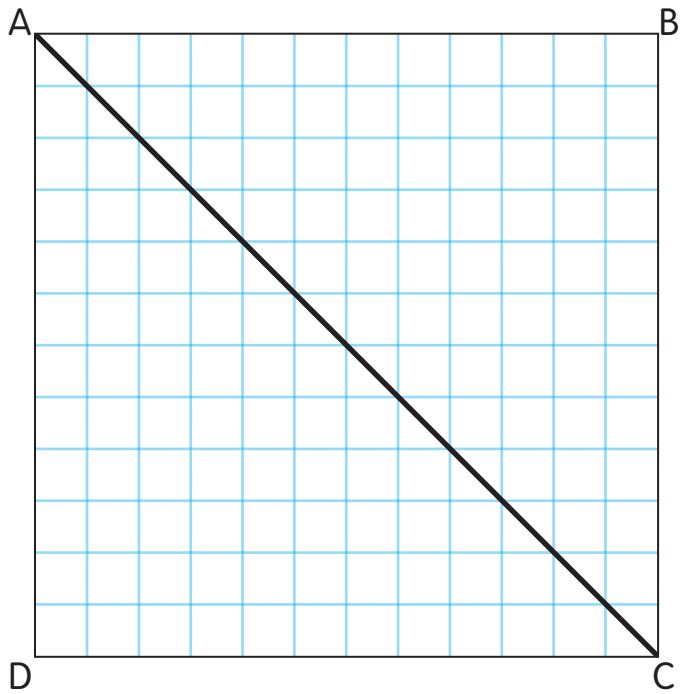
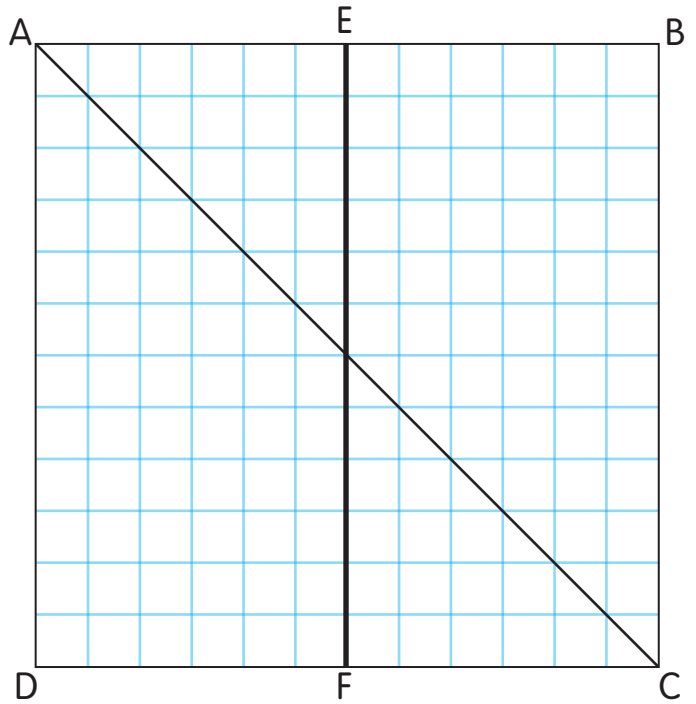


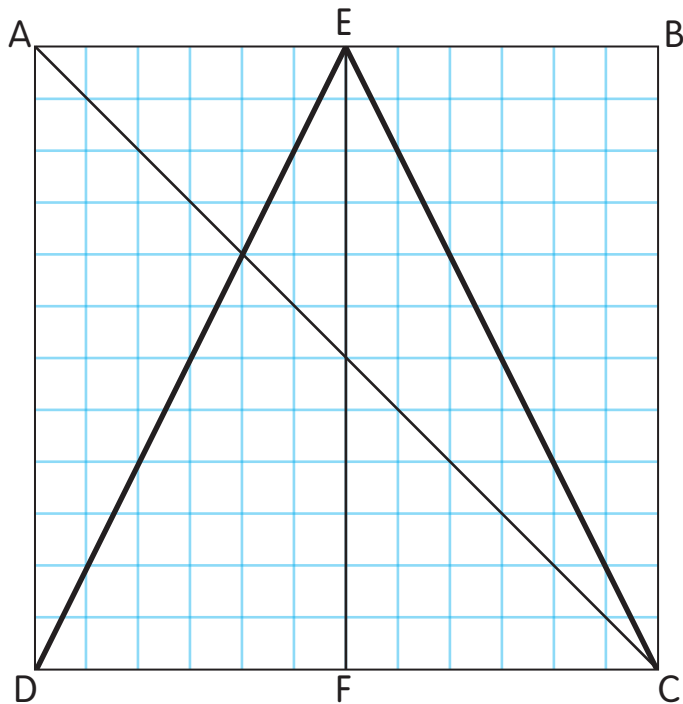
HOW TO MAKE A STOMACHION – Archimedes' Box - 14 Piece Dissection Puzzle



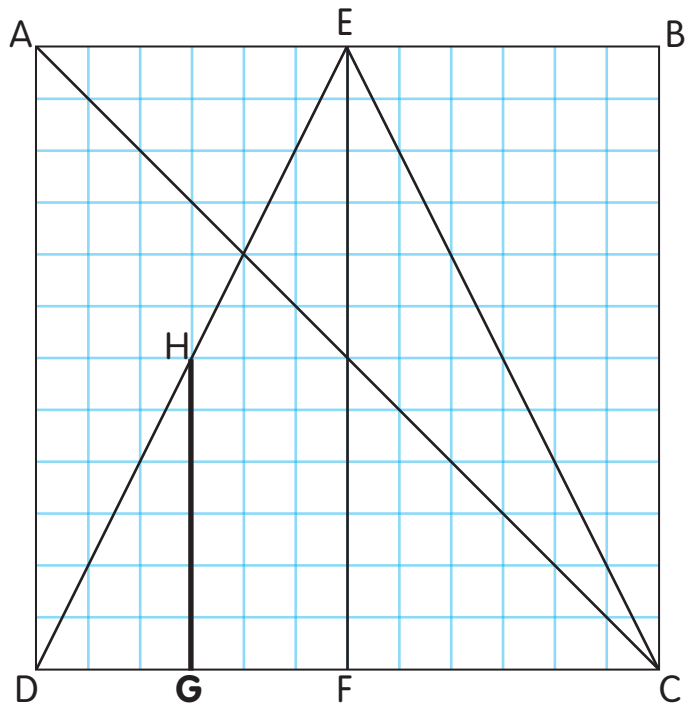
1.
 - Draw a square on a 12 x 12 grid.
 - Draw a diagonal line from A to C.



2.
 - Mark the mid points of AB – E, and DC – F.
 - Draw a vertical line from E to F.

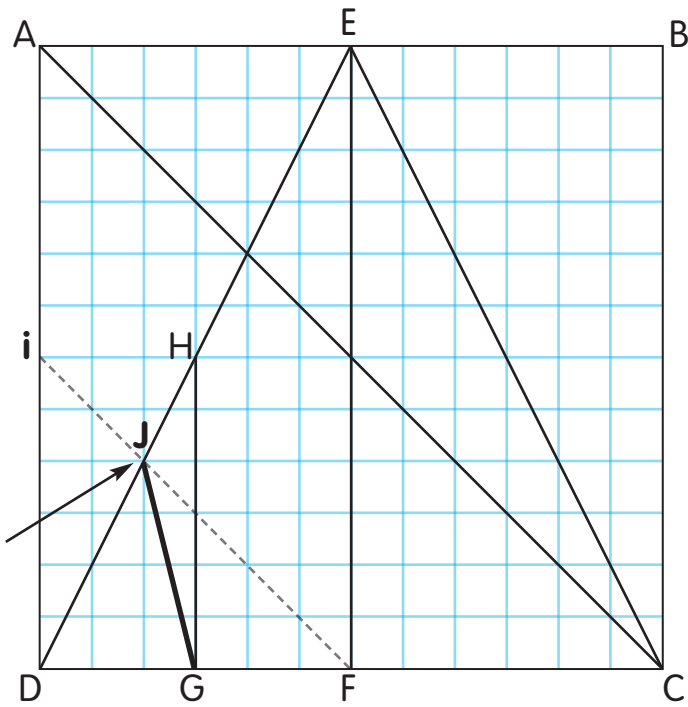


3.
 - Draw a diagonal line from D to E.
 - Draw a diagonal line from C to E.

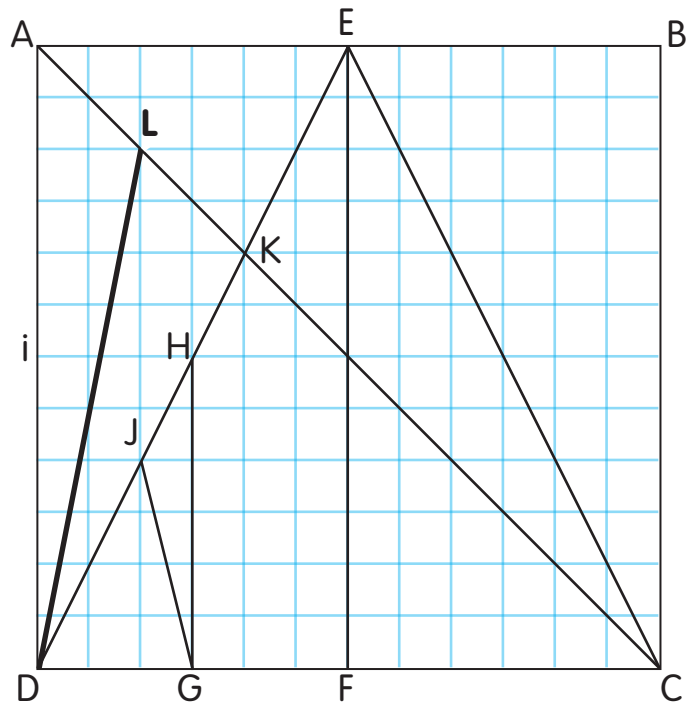


4.
 - Mark the mid point of DF – G.
 - Draw a vertical line from G to H.

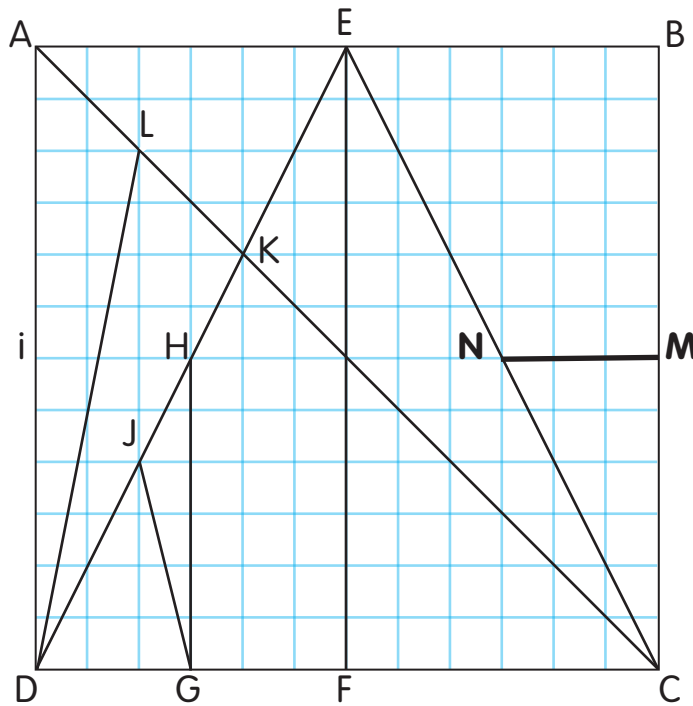
HOW TO MAKE A STOMACHION – Archimedes' Box - 14 Piece Dissection Puzzle



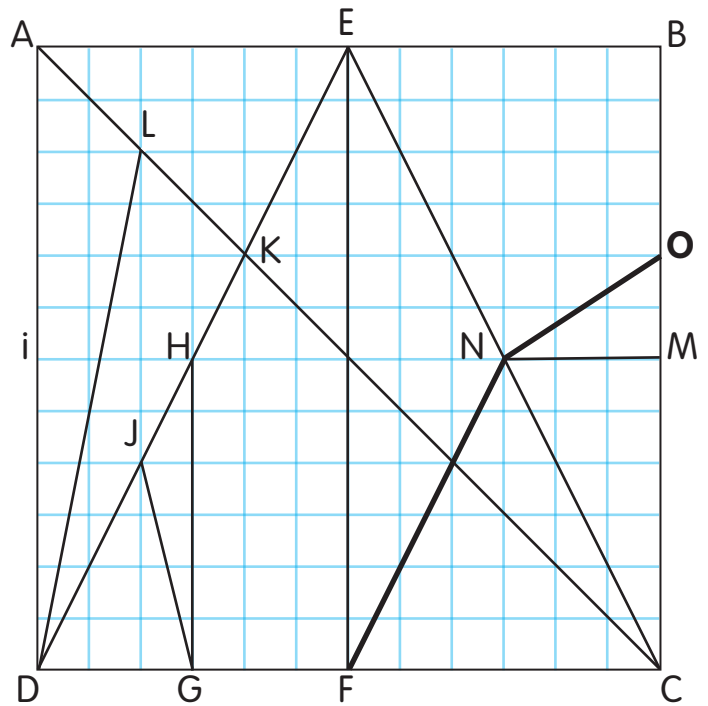
- 5.
- Mark the mid point of AD – **i**.
 - Mark the point where a diagonal from **i** to **F** crosses **DE** – **J**.
 - Draw a diagonal line from **J** to **G**.



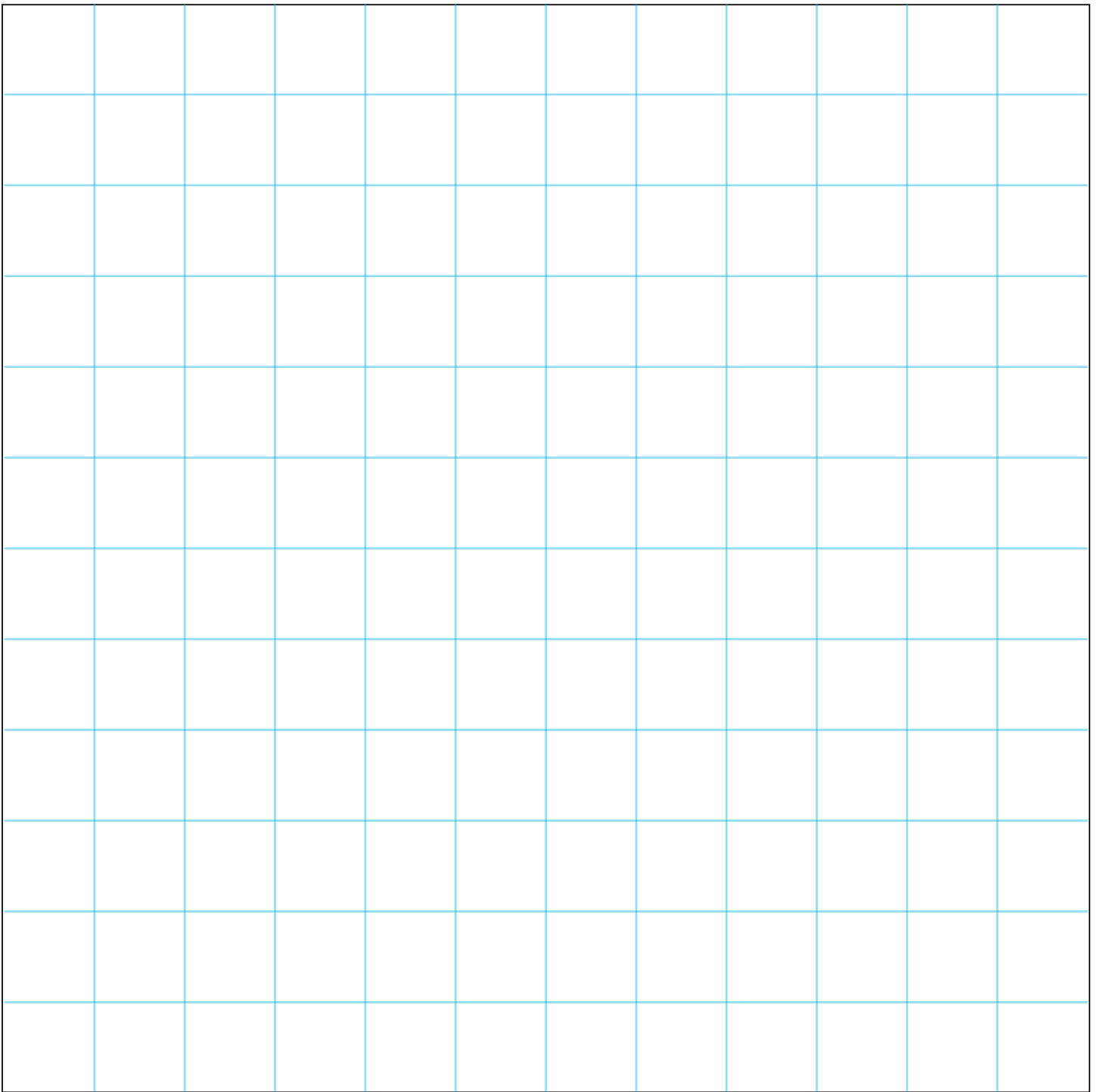
- 6.
- Mark the mid point of **AK** – **L**.
 - Draw a diagonal line from **L** to **D**.



- 7.
- Mark the mid point of **BC** – **M**.
 - Draw a horizontal line from **M** to **EC** – **N**.



- 8.
- Mark the $\frac{2}{3}$ point of **BM** – **O**.
 - Draw a diagonal line from **O** to **N**.
 - Draw a diagonal line from **N** to **F**.



1. Follow the instructions to draw the 14 different shapes.
2. Trace the shapes onto heavy paper - a different colour for each shape.
3. Cut out the shapes.
4. Rearrange the pieces to make interesting shapes such as animals, buildings, stars and so on.
5. The pieces can also be arranged into 536 different squares!