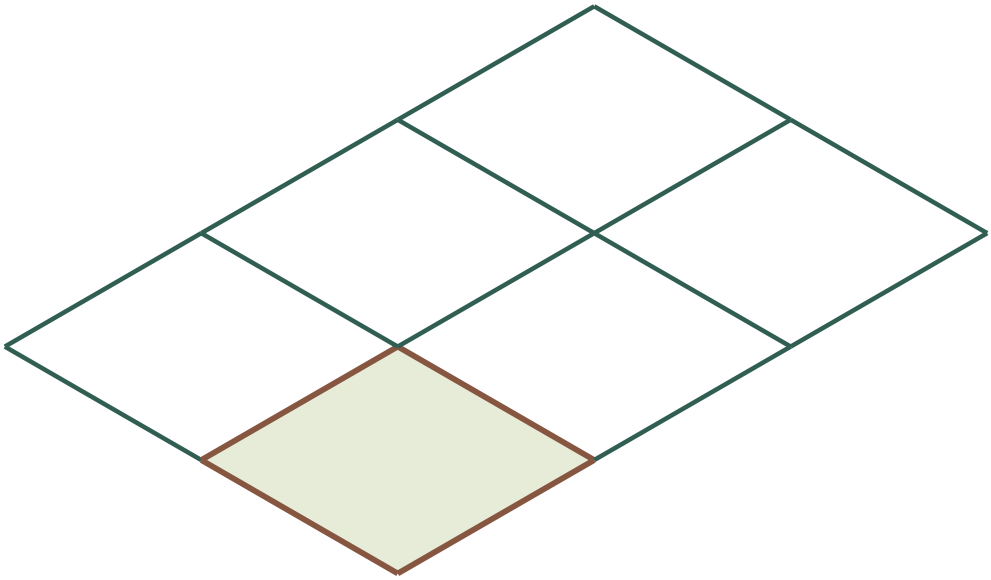
Draw Isometric Tiles

Reference | Construction reference | A4



30° up-left 30° up-right

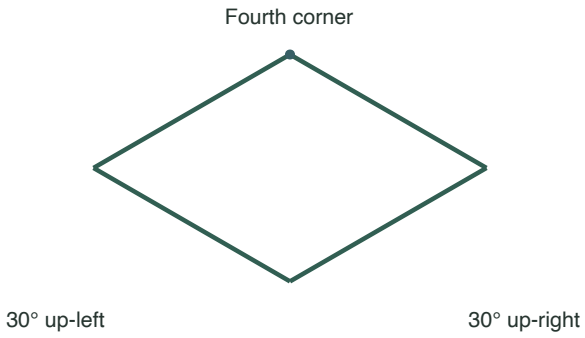
Shaded tile: one equal step in each direction.

Draw Isometric Tiles

Reference I Worked example I A4

Original prompt

Worked example: draw a single isometric tile and label its construction.



Answer

Draw equal steps up-right and up-left from one corner. Complete the two parallel sides so they meet at the far corner. Label the two directions and the fourth corner on the resulting rhombus.

Reasoning

Equal steps give equal adjacent sides. Completing the parallelogram makes the opposite sides equal and parallel, so all four are equal.

Check

Check equal lengths on all four sides and two parallel pairs, then compare the two directions with the reference.