

A prime factorization can be visualized as a square or a cube.

 $5{\times}7$ is a square of 5 rows and 7 columns

 $5 \times 7 \times 2$ is a cube of 5 rows, 7 columns, and 2 slabs

To visualize $5 \times 7 \times 2 \times 3$ we can use the source representation shown above.