Nine cuts through a pizza can make 46 pieces.

\[
46 = 45 + 1
\]

\[
46 = 2 \cdot 23
\]

Waddell–Etherington number

Centered triangular number

\[
46 = 1^2 + 3^2 + 6^2 \text{ uniquely}
\]

Number of partitions of 18 into distinct parts.

Congruent number.