

# Coordinate patterns

## Generalising from patterns

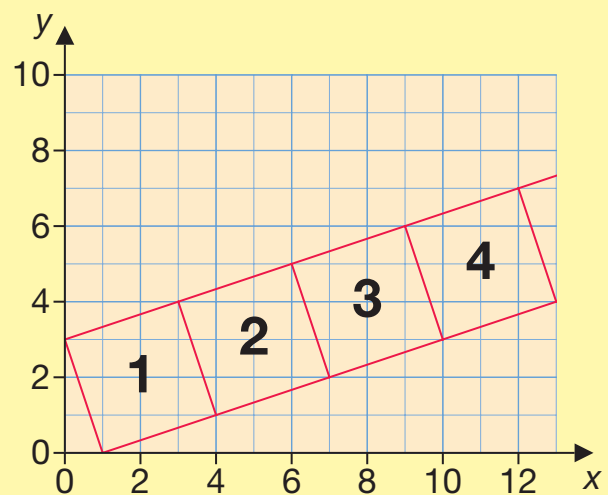
What are the coordinates of the bottom left-hand vertex of the 15th square?

What are the coordinates of the centre of the 34th square?

Imagine the sequence of squares extending to the left: ..., -2, -1, 0, 1, 2, 3, ...

What are the coordinates of the centre of the -15th square?

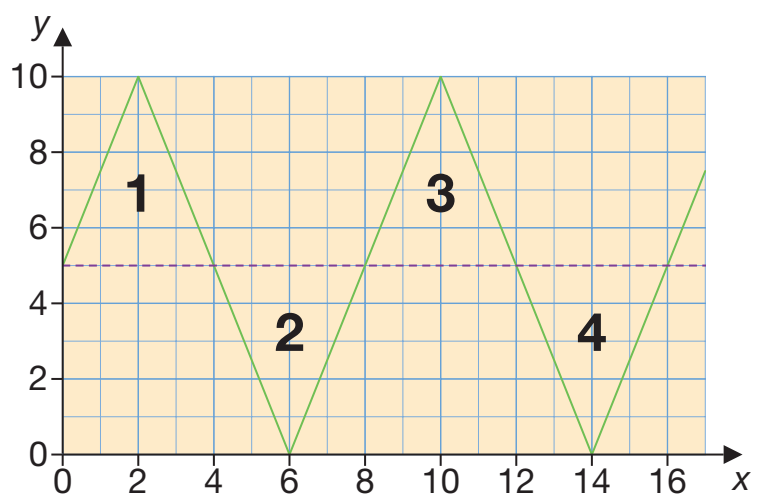
What strategies are you using to answer these questions?



What are the coordinates of the top vertex of the 23rd triangle?

What are the coordinates of the top left-hand vertex of the 58th triangle?

What strategies are you using to answer these questions?



What are the coordinates of the vertices of triangle 20?

What are the coordinates of the vertices of triangle -35?

What strategies are you using to answer these questions?

