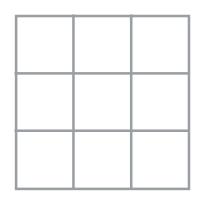# No three in a line

Hannah has a square crate that can hold nine cartons of milk.

Can she put six cartons into the crate so that **no three** of them are in a line?

If so, in how many ways can she do it?
If not, why not?