

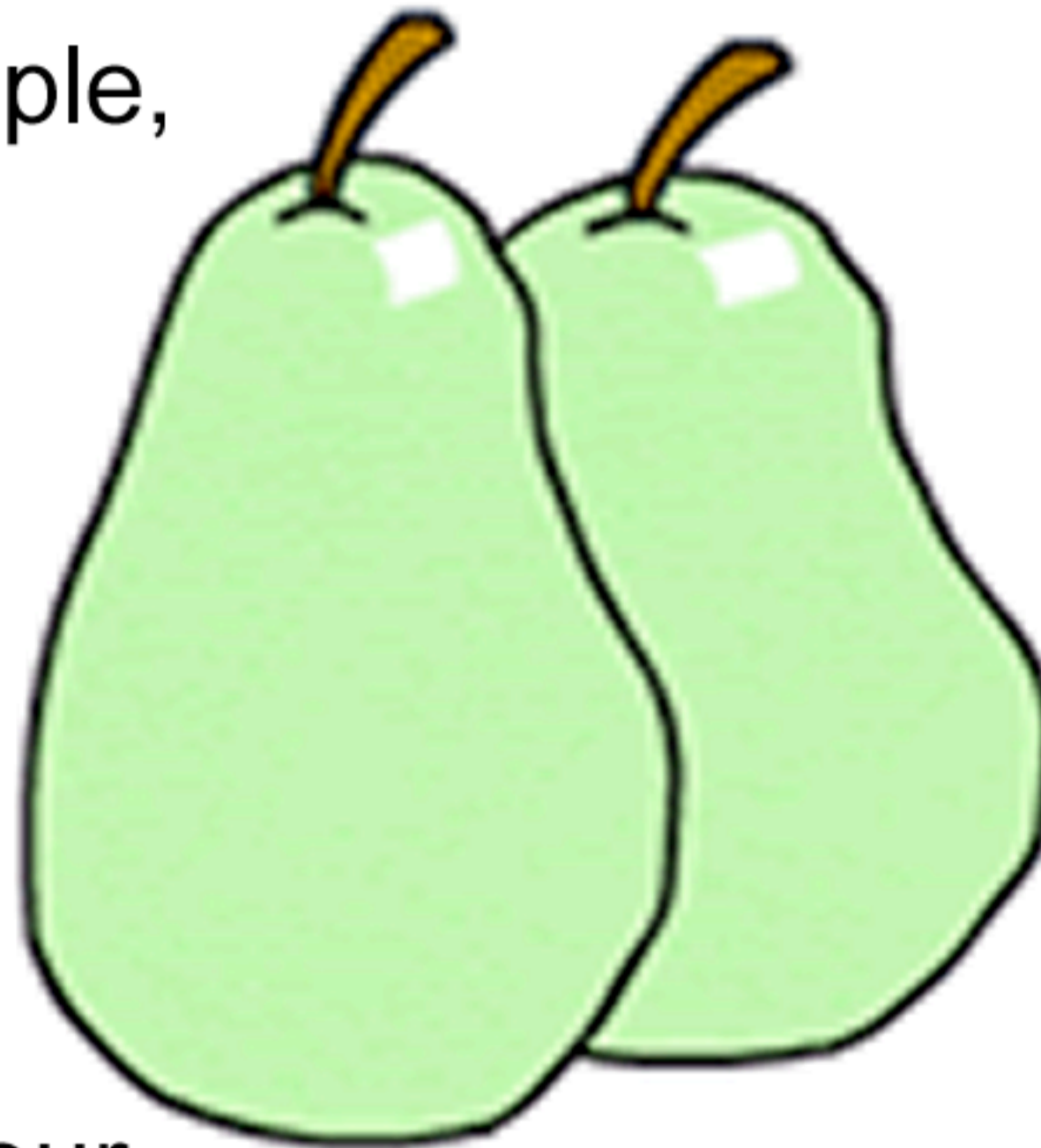
Choose four consecutive whole numbers, for example, 4, 5, 6 and 7.

Multiply the first and last numbers together.

Multiply the middle pair together.

Choose different sets of four consecutive whole numbers and do the same.

*What do you notice?*



# Pair Products

Try the same thing with sets of five consecutive whole numbers and do the same.

*What do you notice now?*

What happens when you take  $n$  consecutive whole numbers?

*Explain your findings.*

Thousands more problems can be found on the NRICH website:

[www.nrich.maths.org](http://www.nrich.maths.org)