

# Pair Products



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?



Try the same thing with sets of five consecutive 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 Maths website:

<http://nrich.maths.org>