Power play

The last (ones) digit of 3^2 is 9 since $3 \times 3 = 9$ The last (ones) digit of 3^3 is 7 since $3 \times 3 \times 3 = 27$ The last (ones) digit of 3^4 is 1 since $3 \times 3 \times 3 \times 3 = 81$.

What is the ones digit of 3²⁰¹⁹?

Do similar patterns exist in the powers of other whole numbers? For example, what is the ones digit of each of the following?

 $5^{2019} \quad 2^{2019} \quad 4^{2019} \quad 8^{2019} \quad 7^{2019}$