## 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 $3^{2019}$ ?
Do similar patterns exist in the powers of other whole numbers?
For example, what is the ones digit of each of the following?

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

