

Power Patterns

Patterns

Powers of 2	Powers of 3	Powers of 5
$2^1 =$	$3^1 =$	$5^1 =$
$2^2 =$	$3^2 =$	$5^2 =$
$2^3 =$	$3^3 =$	$5^3 =$
$2^4 =$	$3^4 =$	$5^4 =$
$2^5 =$	$3^5 =$	$5^5 =$
$2^6 =$	$3^6 =$	$5^6 =$
$2^7 =$	$3^7 =$	$5^7 =$
$2^8 =$	$3^8 =$	$5^8 =$
$2^9 =$	$3^9 =$	$5^9 =$
$2^{10} =$	$3^{10} =$	$5^{10} =$

1. Complete the *Powers of 2* column in the chart. Then, describe the pattern you see.

2. Complete the *Powers of 3* column in the chart. Then describe the pattern you see.

3. How are the patterns for powers of 2 and powers of 3 the same?

4. Describe the pattern you expect to find in the *Powers of 5* column in the chart. Then, complete the chart.
