

Name _____

Date _____

Exponents of the Number 2

Worksheet #19

Solve for the exponents, then reduce your solutions.

Number with Exponent	Solution	Solution Reduced
2^0 (2/2)		
2^1 (2)		
2^2 (2 x 2)		
2^3 (2 x 2 x 2)		
2^4 (2 x 2 x 2 x 2)		
2^5 (2 x 2 x 2 x 2 x 2)		

Are you up for a challenge? Complete the next table.

Number with Exponent	Solution	Solution Reduced
2^6 (2 x 2 x 2 x 2 x 2 x 2)		
2^7 (2 x 2 x 2 x 2 x 2 x 2 x 2)		
2^8 (2 x 2 x 2 x 2 x 2 x 2 x 2 x 2)		
2^9 (2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2)		
2^{10} (2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2)		
2^{11} (2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2 x 2)		

Is there a pattern in your reduced solutions? _____

Describe the pattern? _____

What numbers are missing from this pattern? _____