

Exponent power: Powers of 2

Complete this table of powers of two in both directions.
Use a calculator if you need to.

2^{-7}	2^{-6}	2^{-5}	2^{-4}	2^{-3}	2^{-2}	2^{-1}	2^0	2^1	2^2	2^3	2^4	2^5	2^6	2^7	2^8	2^9	2^{10}	2^{11}
									4	8	16	32	64	128				

- The ones digit of 2^6 is 4. The ones digit of 2^7 is 8. What is the ones digit of...?
 - 2^{12}
 - 2^{20}
 - 2^{99}
 - 2^{1001}
- Use your calculator to solve these problems:
 - $16 \times 16 =$
 - $2 \times 64 =$
 - $4 \times 128 =$
 - $64 \times 128 =$
 - $16 \times 256 =$
- What is true about all the answers in Question 2
Why does this happen?
- Use your calculator to solve these problems:
 - $128 \div 16 =$
 - $32 \div 4 =$
 - $256 \div 8 =$
 - $16 \div 32 =$
 - $64 \div 512 =$
- What is true about all the answers in Question 4.
Why does this happen?