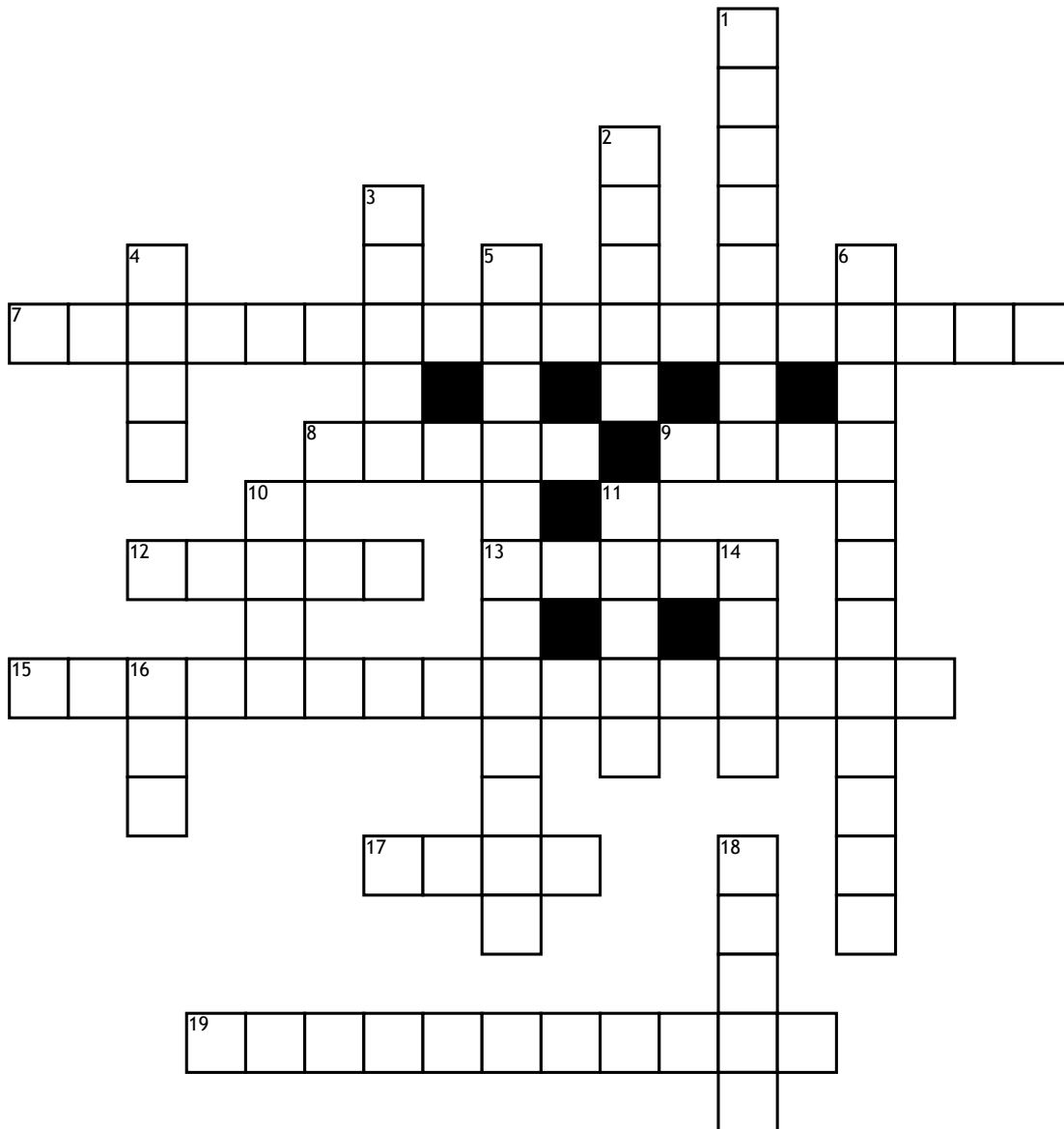


# Tutorial 1: Binary Arithmetic & Codes



## Across

7. Binary equivalent for 673.124  
 8.  $1000100 - 1010100$   
 9. the binary equivalent of Gray code number 1111  
 12. Binary equivalent for 111011.101  
 13. binary equivalent of 0.5625  
 15. - 435 in binary  
 17. Gray code equivalent of decimal 13

19. Decimal equivalent for Hex F9A.BC3

## Down

1. Subtract 29 from 23 using 8 bit register  
 2. Gray code for binary no 01001  
 3.  $1010100 - 1000100$   
 4. Hex equivalent for 001100001001.1101  
 5. Binary Excess 3 equivalent of decimal no 970

6. weighted code for 248 is

10. Hexadecimal equivalent for Decimal no 54977  
 11. binary equivalent of 21  
 14. excess 3 code for decimal no 8 is  
 16. Decimal equivalent of 10010101  
 18. Decimal equivalent of Excess 3 code 010101101010.10101000