2018 - 2019

ACSL American Computer Science League

Contest #1

Elementary Division

个人考号/Exam Code: 姓名/Name: 字校/School:		
1. Computer Number Systems	1.	
What is the octal equivalent for 2018 ₁₆ ?		
2. Computer Number Systems	2.	
Which of the following has the least number of 1's in its binary representation?		
254_8 139_{16} 44_{10}		
3. Computer Number Systems	3.	
Evaluate: $2AF4_{16} + 246_{16} - ABE_{16}$ Express the answer in hexadecimal.		
4. Computer Number Systems	4.	
How many binary numbers have the same number of 1's as 0's in the range of numbers from 1 to 15 in base 10 inclusive. Note: ignore leading zeroes.		
5. Computer Number Systems	5.	
What is the decimal value of the blue component for a color that is represented by the hexadecimal number $F0893D_{16}$?		





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个人考号/Exam Code:	姓名/Name: 字校/Sch	100l:
1. Computer Number Systems		1.
201816在八进制下如何表示	₹?	
2. Computer Number Systems		2.
下列哪一个在二进制表示中	有最少的数字1?	
2548 139 ₁₆	4410	
3. Computer Number Systems		3.
计算 : 2AF4 ₁₆ + 2 用十六进制表示答案。	246 ₁₆ – ABE ₁₆	
4. Computer Number Systems		4.
从1到15(十进制下)中,有多少个数在二进制表示下有相同数量的0和1?注:忽略前导零。		
5. Computer Number Systems		5.
用十六进制数字 F0893D ₁₆ 制值是多少?	表示的颜色中,蓝色分量的十进	



