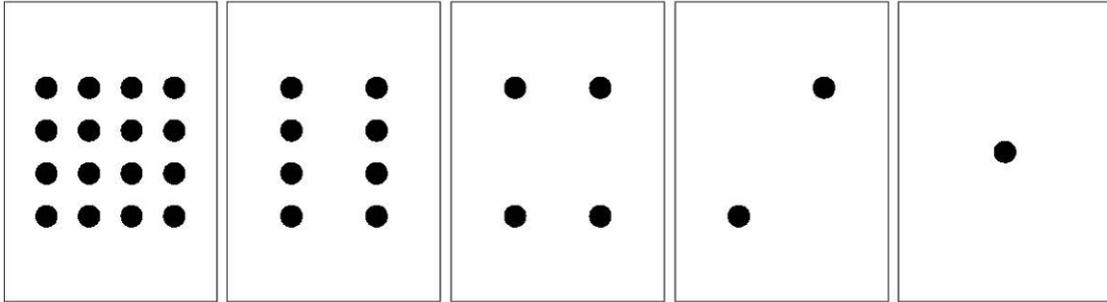


Worksheet 1: Binary Numbers

Represent each normal number by crossing out the cards you do not want to use. Then convert each set of cards into strings of 1's and 0's!

Number		Binary Number
2		00010
5		
3		
12		
19		
8		
15		

Worksheet 3: Check Your Understanding



1. What is the next number in the sequence?

00001 00010 00011 00100 _____

2. What decimal number is represented by 01011?

3. How would you write the number 20 in binary?

4. What is the largest number you can represent using five cards (i.e., five bits)?

5. What is the largest number you could represent if you had only three cards?

6. How many cards (bits) would you need to represent the number 63?