1. Convert the following numbers from binary to decimal
   (a) 101
   (b) 1100110
   (c) 001100
2. Convert the following numbers from decimal to binary
   (a) 56
   (b) 123
   (c) 101
3. Add the following binary numbers
   (a) $0011 + 0101$
   (b) $010110 + 001111$
   (c) $00110101 + 01110011$
4. Further exploration:
   Suppose a computer uses one byte (8 bits) to represent each (unsigned) integer.
   What happens if you add 91 to 167?
5. Optional follow-ups:
   - What are hexadecimal numbers?
   - How would you convert hexadecimal to decimal?
   - How would you convert hexadecimal to binary?
   - How would you add hexadecimal numbers?

Answers:

1. (a) 5
   (b) 102
   (c) 12
2. (a) 111000
   (b) 1111011
   (c) 1100101
3. (a) 1000
   (b) 100101
   (c) 10101000