WORKSHEET – ABOUT COMMON BASES

Fill in the blanks.

1. Base-2 is also known as _____.

2. Octal, which has symbols 0 to 7, is base-_____.

3. Hex, which is short for _____, is base-_____.

4. The number system with symbols 0, 1, 2, 3 is known as base-_____.

5. Base-_____ is used in computer systems because we are capable of mass producing simple and reliable circuits that hold 2 states.

6. Decimal, which is our usual number system, is base-_____.

7. The value ten in hex is represented by the symbol _____.

8. Unary, which consists of a single symbol, is base-_____.

9. Ternary, which has three symbols, is base-_____.

10. For values of n > 1, in base-n, the value of n is _____. Ask yourself, what is 2 in base-2? What is 3 in base-3? And so on…