Section 5, Chapter 24

worksheet – hex conversions

1. *Convert the following denary numbers to hex.*
   1. 12 🡪 C ✓
   2. 130 🡪 82 ✓
   3. 265 🡪 109 ✓
   4. 321 🡪 141 ✓
   5. 255 🡪 FF ✓
   6. 423 🡪 1A7 ✓
   7. 222 🡪 DE ✓
2. *Convert the following hex numbers to denary.*
   1. A3 🡪 163 ✓
   2. 22 🡪 34 ✓
   3. 2A2 🡪 674 ✓
   4. 4D2 🡪 1234 ✓
   5. EE3 🡪 3811 ✓
   6. FA2 🡪 4002 ✓
   7. 2C1 🡪 705 ✓
3. *Give two examples of where hexadecimal numbers are used.*

Memory Addresses, Colour Codes ✓

1. *Explain why hex is sometimes referred to as shorthand for binary.*

Any 4 binary digits can be written as one hexadecimal number, reducing the number of digits needed to represent said number. ✓