

CM1101: COMPUTATIONAL THINKING

TUTORIAL – DATA REPRESENTATION

(Optional)

1. Binary multiplication

$$10110_2 \times 110_2 = \underline{\hspace{2cm}}?$$

2. Binary division

$$111011_2 \div 11_2 = \underline{\hspace{2cm}}?$$

3. Convert 16.20_{10} to ternary (base 3) rounding to 2 places after point.

4. In which base is the following true?

$$5 + 7 = 11$$

5. The equation $m85n3 - 2n75m = n3898$ is true in base $\underline{\hspace{2cm}}$ number system?
With digit $m = \underline{\hspace{2cm}}?$ $n = \underline{\hspace{2cm}}?$