
Problem Set 1

Question 1: Find the floating-point arithmetic representation for the following numbers:

- A) 0.0123 0.123×10^{-1}
- B) 67 $(0.1000011) \times 2^7$ Base 2
- C) 1562 $(0.1562) \times 10^4$ Base 10
- D) 2.75 $(0.1011) \times 2^2$ Base 2
- E) 153.345 0.153345×10^3

Question 2: Let $M = 1.26252615$

Find the correct performing for a computation of M using the following arithmetic?

- A) Four-digit chopping 0.1262
- B) Five-digit rounding 0.1263
- C) six-digit chopping 0.126252
- D) six-digit rounding 0.126253
- E) seven-digit chopping 0.1262526

GOOD LUCK!

STUDY + LEARN + SOLVE QUIZ 1 = PASS QUIZ 1

Best Regards

Mohammed K.A Kaabar

Website: <http://www.mohammed-kaabar.net>