

Exercise 2 Solution

Question 1

(a) $1234 \times 8 / 3 \times 10^6$
 $= 3.29 \text{ msec}$

(show calculation: 0.5 mark, final result: 0.5 mark)

(b) $3.29 \text{ msec} + (30 / 2 \times 10^8) + 1 \text{ msec} + (1234 \times 8 / 200 \times 10^9) + (400 / 2 \times 10^8)$
 $= 4.29 \text{ msec}$

(show calculation: 0.5 mark, final result: 0.5 mark)

(c) $4.29 \text{ msec} + 1 \text{ msec} + (1234 \times 8 / 5 \times 10^6) + (35 / 2 \times 10^8)$
 $= 7.27 \text{ msec}$

(show calculation: 0.5 mark, final result: 0.5 mark)