WINNIE KEDOH CHAI

Subject: 051PP18F1017

No:

Date:

CHAPTER 2: OPERATION ON NUMBER

CHECK POINT 3.

a. $(8 \times 10^3) \times (3.5 \times 10^3)$

$= (8 \times 3.5) \times (10^{3+3})$

$= 28 \times 10^6$ #

b. $(4.5 \times 10^0) \div (3 \times 10^1)$

$= \left(\frac{4.5}{3}\right) \times 10^{0-1}$

$= 1.5 \times 10^{-1}$ #

c. $(8 \times 10^1) \times (6 \times 10^5)$

$= (8 \times 6) \times (10^{1+5})$

$= 48 \times 10^6$ #

$= 4.8 \times 10^1 \times 10^6$

$= 4.8 \times 10^7$

d. $(2.5 \times 10^1) \div (2.5 \times 10^1)$

$= \left(\frac{2.5}{2.5}\right) \times 10^{1-1}$

$= 1 \times 10^0$ #

$= 1 \times 1 = 1$

e. $(5 \times 10^{-2}) \div (1 \times 20^2)$

$= \left(\frac{5}{1}\right) \times 10^{-2-2}$

$= 5 \times 10^{-4}$ #

f. $(5 \times 10^{-2}) \div (5 \times 10^1)$

$= \left(\frac{5}{5}\right) \times 10^{-2-1}$

$= 1 \times 10^{-3}$ #

g. $(3 \times 10^{-6}) \times (5 \times 10^4)$

$= (3 \times 5) \times (10^{-6+4})$

$= 15 \times 10^{-2}$ #

$= 1.5 \times 10^1 \times 10^{-2}$

$= 1.5 \times 10^{-1}$

h. $(1.5 \times 10^{-4}) \div (1 \times 10^6)$

$= \left(\frac{1.5}{1}\right) \times 10^{-4-6}$

$= 1.5 \times 10^{-2}$ #

i. $(1.5 \times 10^{-5}) \div (3 \times 10^6)$

$= \left(\frac{1.5}{3}\right) \times 10^{-5-6}$

$= 0.5 \times 10^{-11}$ #

$= 5 \times 10^{-1} \times 10^{-11}$

$= 5 \times 10^{-12}$.

Checked: 12/9/18.

Remember

Standard form between 1 – 10