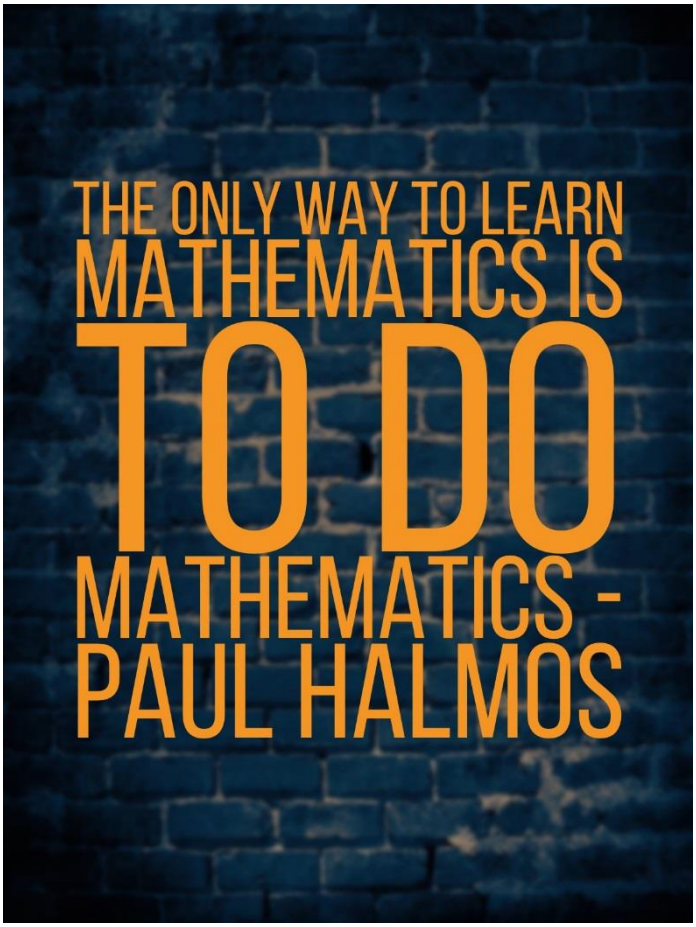
c

Student Mathematics workbook 2020



Student name

ENGINEERING MULTIPLES & SUB-MULTIPLES WORKSHEET 2

Engineering notation, multiples & sub-multiples worksheet 2

1. **Express the following in appropriate Engineering Notation (in ‘ x 10 to the power of ± 3 ’ format).**

45,000,000 Wh	=	**45 x 10^6**	Wh	0.000 05 A	=
A					
0.025 6 A	=		A	2000 V	=
V					
65,000 J	=		J	45,340,000,000 J	=
J					
27,200 V	=		V	0.000 000 005 78 F	=
F					

2. **Complete the following table, use appropriate values:**

Ordinary Notation.	**Multiple / Sub-multiple.**	**Engineering Notation**.
e.g **25,000 V**	**25 kV**	**25 x 10^3 V**
0.003 54 Ω		
A	27 mA	
		500 x 10^{-6} C
µF	15 nF	
GWh		87.2 x 10^6 Wh
4,500 A		
0.005 mA		
mH		256 x 10^{-9} H
0.00814 nF		
VA	25.87 kVA	
7,500,000 J		
V		56.23 x 10^3 V
mF		56 x 10^{-6} F