

Unit 2

Ex 2.3

1) 5313

mat = 3

characteristics = 725/3

3.7253 Ans.

2) 4580

Taking log on b/s.

log 4580

mat = 3

characteristics = 6610

3.6610 Ans.

3) 9.613

Taking log on b/s

mat = 0

cha = 9828

Samsung Galaxy A14

June 28, 2024

iv) 110.9

Taking log on b/s.

mat = 2

cha = 0449

2.0449 Ans.

v) 52.39

Taking log on b/s

mat = 1

cha = 1197192

1.7192 Ans.

6) 0.01207

mat = 2

cha = 0817

2.0817 Ans.

7) 0.0093

Taking log on b/s

mat = 3

cha = 9685

3.9685 Ans.

8) 1 Trillion.

Taking log on b/s.

log 1000000000000

log 10¹²

log 10¹²

12 log 10

12 (1)

12 Ans.

$$9) 0.00004$$

~~mat~~ = Taking log on both

$$\text{mat} = \bar{4}$$

$$\text{cha} = 3979$$

$$\bar{4}.3979 \text{ Ans.}$$

$$12) 54$$

Taking log

$$\text{mat} = 1$$

$$\text{cha} = 7324$$

$$1.7324 \text{ Ans.}$$

$$15) -4$$

Taking log

$$\text{mat} = 0$$

~~cha~~ not possible.

$$10) 4$$

~~Here~~ Taking log

$$\log 4$$

$$\text{mat} = 0$$

$$\text{cha} = 6020$$

$$0.6020 \text{ Ans.}$$

$$13) 1.009$$

Taking log

$$\log 1.009$$

$$\text{mat} = 0$$

$$\text{cha} = 38$$

$$0.38 \text{ Ans.}$$

$$11) 4000$$

Taking log

$$\text{mat} = 3$$

$$\text{cha} = 6020$$

$$14) 0.1009$$

$$\text{mat} = \bar{1}$$

$$\text{cha} = 38$$

$$\bar{1}.38 \text{ Ans.}$$