



TOPIC-Revision(1st Term)

Sub: Mathematics

Class-9

F. M. 15

WORK SHEET NO. -11

Solutions

Date: 18.4.2020

Q.1) Choose the correct options: 1x15=15

- i) The difference of two whole numbers is always _____ number.
c) rational
- ii) The number of irrational numbers between two rational numbers is
d) infinite
- iii) If $4^x=8^{1/3}$ then the value of x will be
d) 1/2
- iv) If $4x5^x=500$ then the value of x^x is
d)27
- v) In the rhombus ABCD if $\angle ACB=50^\circ$ then $\angle ADB$ is
d) 40°
- vi) If $3^x=9^y$ then the value of x:y is
c) 2:1
- vii) The straight line $3x+5=0$ is parallel to _____ axis.
b)y
- viii) If $(x-3)^2+(y-1/3)^2=0$ then the value of x/y is
c)9
- ix) In a parallelogram ABCD, the point of intersection of diagonals AC and BD is O. If $\angle AOD=120^\circ$ and $\angle BAC=2\angle A BD$, then $\angle ACD$ is
d) 80°
- x) What will be the remainder if the polynomial $8x^3+4x+1$ is divided by $(2x+1)$?
c)-2
- xi) For what value of k, the polynomial x^3+3x^2+3x+k will be divisible by $(x+3)$?
c)9
- xii) If $2x^2+px+6=(2x-a)(x-2)$ is an identity then the values of a and p are
c)a=3, p=-7
- xiii) If 5 oranges are sold at the cost price of 6 oranges what will be the profit% or loss% of the seller?
a)20%profit
- xiv) The equivalent discount of two successive discounts of 10% each is
b)19%
- xv) If there is a loss of 15% by selling an article then what is the ratio of CP and SP?
a)20:17