

SUMMER VACATION MATHS 2019-2020 CLASS 9 SECTION A.

1. What can you say of a rational no and an irrational no?
2. $(3-\sqrt{11})(3+\sqrt{11})$
3. The no $665/625$ will terminate after how many decimal places ?
4. Find the value of $21\sqrt{12} / 10\sqrt{27}$?
5. rationalise $1/\sqrt{3}+\sqrt{2}$
6. Evaluate $(81/49)^{-3/2}$
7. $4\sqrt{81} \times 8\sqrt[4]{16}$
8. Simplify $(31)^{1/5} + (-7)^6 + (64)^{1/2}$
9. IF $a=1$ and $b=2$ then find the value of $(ab-ba)^{-1}$
10. simplify $(3125/243)^{4/5}$
11. If $a+b+c=0$ then what will be the value of $(a^3+b^3+c^3)$
12. Factorise $(x+y)^3 - (x^3+y^3)$
13. find the value of $(3x+1/2)(3x-1/2)(3x-1/2)=9x^2p$
14. factorise $(4a^2+b^2+8a+4b+4)$
15. if $a+b+c=0$ then find the value of $(a^2/bc+b^2/ca+c^2/ab)$
16. factorise $8x^3+y^3+z^3-18xyz$
17. Evaluate 116×96 by using identities
18. Check whether $7+3x$ is a factor $3x^3+7$ is a factor $3x^3+7x$.
19. find the remainder when (x^3-ax^3-a) is divided by $(x-a)$.
20. Write factor from remainder theorem zero of polynomial.

PROJECT WORK

CREATE A LIFE HISTORY OF ANY MATHEMATICIAN AND HIS CONTRIBUTION.

