

16. What is the least number of four digits which is a perfect square?

JSUNIL TUTORIAL, SAMASTIPUR 8TH MATHS 1st SUMMETIVE TEST = 3 17. If x - y = 7, xy = 9 Find the value of $x^2 + y^2$ Or, If x + y = 12, xy = 27 Find the value of x3 + y3

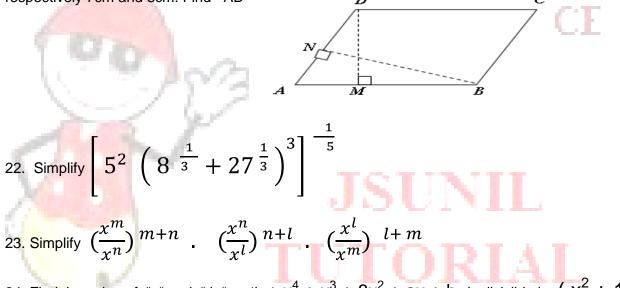
18. The perimeter of of a triangle is 6p2 - 4p + 9 and two of its adjacent side are p2 - 2p + 1 and 3p2 - 5p + 3. Find third side of triangle.

19. The sum of three consecutive multiples of 8 is 888. Find the multiple.

20. Find any ten rational numbers between -5/6 and 5/8

SECTION→ C(6 marks)

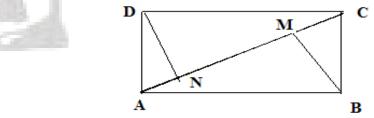
21. In parallelogram ABCD, AB = 10cm. The attitudes corresponding to the sides AB and AD are respectively 7cm and 8cm. Find AD D C



24. Find the value of "a" and "b" so that $x^4 + x^3 + 8x^2 + ax + b$ is divisible by $(x^2 + 1)$

OR,

In given figure, ABCD is a rectangle. If BM and DN are perpendicular from B and D on AC Prove that $\triangle BMC \cong \triangle DNA$



25. : (i) Factorize $x^4 + y^4 + x^2y^2$ (ii) If $27^x = \frac{9}{3^x}$ find the value of x.

Or, A reduction in price of sugar enable Farhan to buy extra 5 kg for Rs. 320. Find (i) The original price per kg (ii) The reduced rate per kg

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