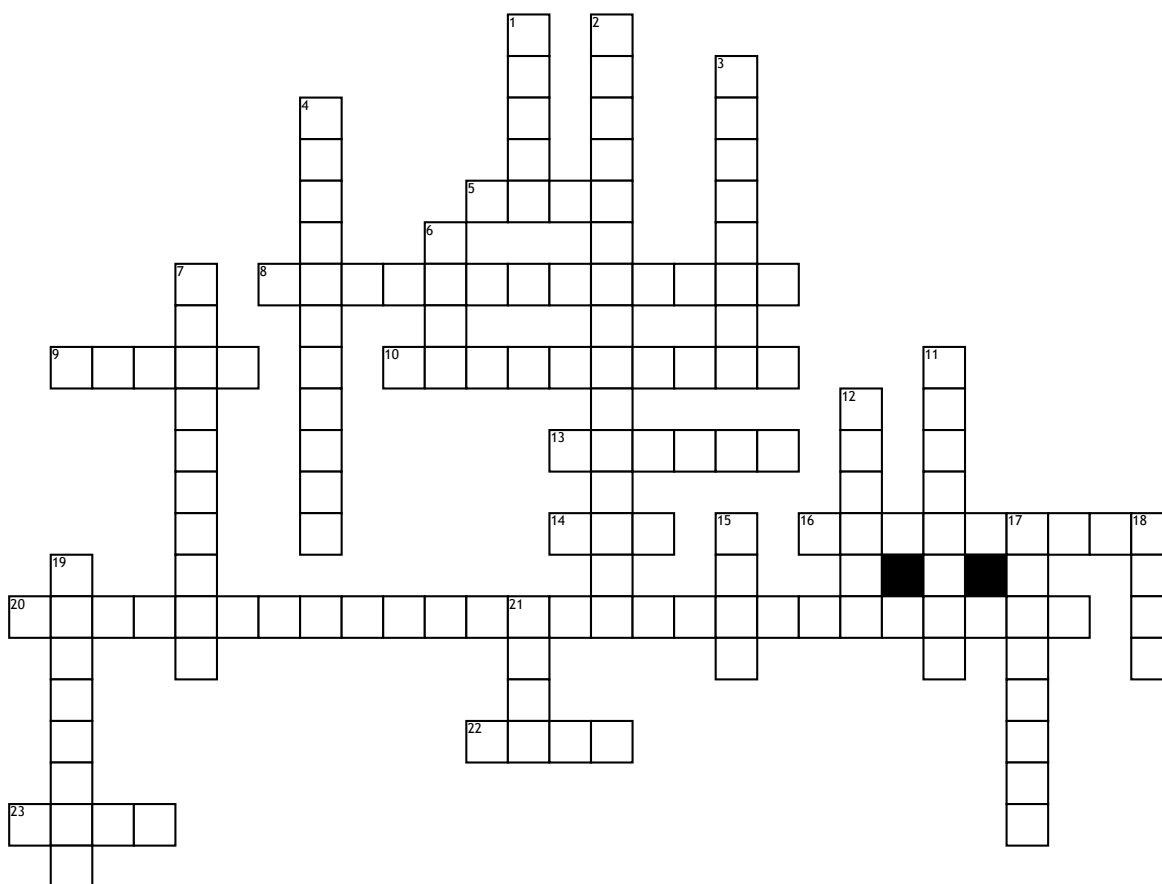


Number System and Polynomials Crossword Puzzle



Across

5. $F(x) = \sqrt{3}$ is a _____ polynomial
 8. Zeroes of a polynomial can be determined by
 9. Zeroes of $p(X) = x^2 - 4$ are
 10. π is
 13. If $p(-1) = 0$, then $x + 1$ is a _____ of $p(x)$
 14. Remainder when $p(x) = x(x-3)(x-5)$ is divided by $g(x) = (x-2)$ is
 16. Polynomial with three terms
 20. Decimal expansion of irrational number

22. $(x-1)$ is a factor of n -degree polynomial if sum of coefficients is

23. For an n degree polynomial, coefficient of x^n cannot be

Down

1. Graph of a cubic polynomial in x cuts the x -axis at _____ points
 2. Conversion of surd to rational number
 3. Graph of a quadratic polynomial
 4. Degree-4 polynomial
 6. Number of zeroes of a biquadratic polynomial

7. Every point on the number line

11. Number of rational numbers between 2 rational numbers

12. Exponent of term with highest power

15. n th root of a number

17. $(1+3x)$ is a

18. Degree of the remainder is always _____ than degree of divisor

19. Positive integers with only one common factor

21. Zeroes of a constant polynomial