ARITHMETIC

$1, 3, 5, 7, \ldots$ $0, 2, 4, 6, \ldots$ Odd numbers, Even numbers	$n : 2$ $n = 2q + 0$ $n = 2q + 1$ Parity	6^2 6^{15} Perfect square (square number), Perfect power	$2, 3, 5, 7, \ldots$ Prime numbers
$2, 2^2, 2^3, \ldots$ $3, 3^2, 3^3, \ldots$ $\ldots$ Prime powers	$12 = 2^2 \times 3$ Prime factorization, to factor	$12 = 2^2 \times 3$ $2, 3$ $1, 2, 3, 4, 6, 12$ Prime factors, Divisors (factors)	$2^2, 3^2, 5^2, \ldots$ $15 = 3 \times 5$ Square-free
$12 \quad 20$ 4 Greatest common divisor (gcd)	$8 \times 2 \quad +$ $5 \times (-3) =$ 1 Relatively prime numbers (coprime numbers)	$12 \quad 20$ 60 Least common multiple (lcm)	$3 + 7 = 10$ $3 \quad 7$ Numbers bond to 10

ALGEBRA