

Crack the Code

Binomial Expansion

A	Find the coefficients of all terms in the expansion of $(x + 1)^3$ 1, 3, 3, 1	B	Find the coefficients of all terms in the expansion of $(x + 2)^4$ 1, 8, 24, 32, 16
C	Find the coefficients of all terms in the expansion of $(x - 1)^5$ 1, -5, 10, -10, 5, -1	D	Find the coefficients of all terms in the expansion of $(2x + 1)^3$ 8, 12, 6, 1
E	Find the coefficients of all terms in the expansion of $(3 + x)^3$ 27, 27, 9, 1	F	Find the coefficients of all terms in the expansion of $(4 - x)^4$ 256, -256, 96, -16, 1
G	Find the coefficient of the x^5 term in the expansion of $(x + 5)^6$ 30	H	Find the coefficient of the x term in the expansion of $(2 + x)^7$ 448
I	Find the coefficient of the x^3 term in the expansion of $(x - 7)^4$ -28	J	Find the coefficient of the x^3 term in the expansion of $(1 - 2x)^5$ -80
K	The coefficient of the x term in the expansion of $(x + a)^4$ is 500. Find a . 5	L	The coefficient of the x^2 term in the expansion of $(2x - b)^5$ is -13720. Find b . 7

To get the three-digit code, add together all your answers. **643**