



# Crack the Code



## Binomial Expansion

<b>A</b>	Find the coefficients of all terms in the expansion of $(x + 1)^3$	<b>B</b>	Find the coefficients of all terms in the expansion of $(x + 2)^4$
<b>C</b>	Find the coefficients of all terms in the expansion of $(x - 1)^5$	<b>D</b>	Find the coefficients of all terms in the expansion of $(2x + 1)^3$
<b>E</b>	Find the coefficients of all terms in the expansion of $(3 + x)^3$	<b>F</b>	Find the coefficients of all terms in the expansion of $(4 - x)^4$
<b>G</b>	Find the coefficient of the $x^5$ term in the expansion of $(x + 5)^6$	<b>H</b>	Find the coefficient of the $x$ term in the expansion of $(2 + x)^7$
<b>I</b>	Find the coefficient of the $x^3$ term in the expansion of $(x - 7)^4$	<b>J</b>	Find the coefficient of the $x^3$ term in the expansion of $(1 - 2x)^5$
<b>K</b>	The coefficient of the $x$ term in the expansion of $(x + a)^4$ is 500. Find $a$ .	<b>L</b>	The coefficient of the $x^2$ term in the expansion of $(2x - b)^5$ is $-13720$ . Find $b$ .

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