



# Crack the Code



## Linear Simultaneous Equations

<b>A</b>	Solve $4x + y = 18$ $2x + y = 10$	<b>B</b>	Solve $5x + 2y = 42$ $x + 2y = 10$
<b>C</b>	Solve $7x - y = 44$ $5x - y = 30$	<b>D</b>	Solve $2x - y = 17$ $4x - y = 37$
<b>E</b>	Solve $2x + y = 22$ $5x + 2y = 53$	<b>F</b>	Solve $4x - 3y = 14$ $5x + y = 27$
<b>G</b>	Solve $x + 4y = 29$ $2x + y = 23$	<b>H</b>	Solve $2x + 3y = 34$ $6x - y = 2$
<b>I</b>	Solve $x + 6y = 75$ $2x + 3y = 42$	<b>J</b>	Solve $7x - 2y = 22$ $5x - y = 17$
<b>K</b>	Solve $4x + 3y = 101$ $3x - y = 53$	<b>L</b>	Solve $x + 2y = 18$ $2x + 3y = 30$
<b>M</b>	Solve $2x + 5y = 33$ $x + 2y = 14$	<b>N</b>	Solve $x - 3y = 3$ $4x - y = 45$
<b>O</b>	Solve $5x - 2y = 26$ $x + 3y = 29$	<b>P</b>	Solve $x + 2y = 23$ $3x - 4y = 9$
<b>Q</b>	Solve $2x + 5y = 6$ $x - 2y = 12$	<b>R</b>	Solve $x - y = 3$ $2x - 3y = 8$
<b>S</b>	Solve $2x + 3y = 41$ $x + 5y = 45$	<b>T</b>	Solve $3x + 2y = 15$ $8x + y = 53$

To get the three-digit code, add together all your  $x$  values and  $y$  values.