

- Solve the following equations by elimination
 - $2y + x = 4$ and $y - x = -1$
 - $a + b = -1$ and $2a - b = 4$
 - $5p - 2q = 5$ and $q - 2p = -1$
 - $3b + 3a = 21$ and $3a - 2b = 11$
 - $2x + 5y = 27$ and $x + y = 6$
- Solve the pair of simultaneous equations by substitution
 - $3x + 2y = 36$, and $5x + 4y = 64$
 - $7x + y = 25$ and $5x - y = 11$
 - $8x + 9y = 3$ and $x + y = 0$
 - $x + 2y = 3$ and $x + y = 7$
 - $7x - y = 15$ and $3x - 2y = 19$
- Solve the pair of simultaneous equations by elimination
 - $2a + b = 8$ and $1 + b = 2a$
 - $2x + y = 7$ and $4x + 3y = 15$
 - $2z + y = 1$ and $6z - 2y = 13$
 - $3x + 4y = 10$ and $x = 3 - y$
 - $p - 2q = 4$ and $3p + 2q = 8$
- Find the values of x and y that solve the pair of equations
 - $x - 2y = 8$ and $2x + y = 21$
 - $2x + 3y = 28$ and $x + y = 11$
 - $x + 2y = 18$ and $3x - y = 5$
 - $x - 2y = 5$ and $x + y = 8$
 - $x + 2y = 10$ and $2x + 3y = 18$
- Solve the pairs of equations below using your method of choice
 - $2y + x = 10$ and $3x = -y$
 - $3x + 2y = 16$ and $x + y = 7$
 - $5x + 2y = 16$ and $3x = y + 3$
 - $x + y = 4$ and $y = x - 2$
 - $8e + 7f = 12$ and $3e + f = -2$
 - $2x + 4y = 14$ and $2x + y = 8$
 - $2x + 3y = 16$ and $8x + 3y = 46$
 - $y = -\frac{x}{2} + \frac{29}{2}$ and $y = -x + 18$
- Draw graphs to solve the equations
 - $y = -x - 4$ and $x + 4y = -7$
 - $x + y = 20$ and $y = x - 2$
 - $y = 5 - 2x$ and $y = 4 - x$
 - $x + 3y = 18$ and $x - 2y = 3$
 - $y = 10 - x$ and $y = x + 2$
- Find, without drawing a graph, where the pair of graphs meet
 - $c + d = 19$ and $c + 2d = 23$
 - $24f + 14g = 23$ and $4f + 6g = 13$
 - $20y + 2z = -39$ and $2y + 4z = 17$
 - $34u + 14v = 273$ and $3u + 8v = 41$
 - $18e + 5f = 217$ and $e + 13f = -77$
- Solve the following equations
 - $34g - 12h = 51$ and $38g + 6h = 387$
 - $22j + 9k = 78$ and $12j + 18k = 108$
 - $2d + 18e = 32$ and $19d - 7e = 304$
 - $19j - 12k = -33$ and $15j + 16k = 407$
 - $-v + 2w = -13$ and $29v + w = 495$
- Find the values to solve the equations
 - $x - 2y = 8$ and $2x + y = 21$
 - $2x + 3y = 28$ and $x + y = 11$
 - $x + 2y = 18$ and $3x - y = 5$
 - $x - 2y = 5$ and $x + y = 8$
 - $x + 2y = 10$ and $2x + 3y = 18$
- Two numbers, x and y , are such that their sum is 24 and their difference is 6. Find the numbers.
- Margaret buys a pack of cards and 5 tennis balls for £8, and Andrea buys a pack of cards and 4 tennis balls for £7. Write and solve a pair of equations to find the price of each item.
- Tessa buys 2 pens and 6 pencils for 26p and Rachel buys 2 pens and 3 pencils for 20p. Find the cost of pens and pencils.