Simultaneous Equations
(different y coefficients)

Solve:

(a) $x + 2y = 7$ $3x + y = 6$

(b) $x + 3y = 11$ $4x + y = 22$

(c) $3x - y = 7$ $5x - 2y = 10$

(d) $x - y = 5$ $2x - 5y = 4$

Solve:

(a) $x + y = 5$ $3x - 2y = 5$

(b) $7x - y = 1$ $x + 3y = 19$

(c) $2x + 5y = 24$ $3x - y = 2$

(d) $4x - 2y = 14$ $3x + y = 23$

Solve:

(a) $x + 2y = 13$ $2x + 3y = 20$

(b) $7x - 4y = 5$ $x + 2y = 11$

(c) $2x + 5y = 5$ $3x - 2y = 17$

(d) $4x - 2y = 14$ $x - 3y = -4$

Solve:

(a) $5x + 2y = 31$ $x - 4y = 4$

(b) $4x + y = 5$ $2x + 3y = 10$

(c) $2x - 3y = 16$ $7x - 2y = 39$

(d) $x - 5y = 6$ $3x + 2y = 1$

(e) $3x + 4y = 14$ $x - y = -7$

(f) $x + 7y = 15.5$ $2x - 5y = -7$

Three apples and two oranges costs £2.53. Five apples and three oranges costs £4.12. Find the cost of one apple and the cost of one orange.

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