

1. solve for x and y

(a) $2x - y = 1$
 $2x + 2y = 10$

(b) $2x + 3y = 8$
 $5x - 2y = 1$

(c) $3x + 5y = 7$
 $4x + 3y = 2$

(d) $5x - y = 15$
 $x + y = -3$

(e) $3x - y = 6$
 $2x + 5y = -13$

(f) $3x + 5y = 1$
 $x - y = -5$

(g) $2x - 5y = 3$
 $3x + 2y = 14$

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

(i) $3x - y = 18$
 $x + 2y = -1$

2. solve for x and y

(a) $2x + 13 = 5y$
 $3x + 4y - 15 = 0$

(b) $3x + 2y - 14 = 0$
 $2x + 16 = 5y$

(c) $5y - 13 = 3x$
 $2x + 3y - 4 = 0$

(d) $x + 5y - 2 = 0$
 $3y - 9 = 2x$

(e) $4x + 3y + 10 = 0$
 $5y - 18 = 2x$

(f) $2x + 5y + 5 = 0$
 $2y + 31 = 5x$

3. John buys 20 postage stamps for £5.36 . If he only buys stamps of value 22p and 30p, how many of each kind did he buy?
4. If Mary and Tom put their money together they have £36 . If Mary's money were halved and Tom's money doubled they would have £42. How much money does each have?
5. A packet of razors and a bar of soap cost £5.50 . If the soap costs £2.50 less than the razors, find the cost of each.
6. James bought 2 bottles of lemonade and 1 bag of crisps for £1.40 .
Jill bought 1 bottle of lemonade and 3 bags of crisps for £1.70 .
How much is a bottle of lemonade? How much is a bag of crisps?

1.

(a) $x = 2$ $y = 3$

(b) $x = 1$ $y = 2$

(c) $x = -1$ $y = 2$

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

(e) $x = 1$ $y = -3$

(f) $x = -3$ $y = 2$

(g) $x = 4$ $y = 1$

(h) $x = -3$ $y = 4$

(i) $x = 5$ $y = -3$

2.

(a) $x = 1$ $y = 3$

(b) $x = 2$ $y = 4$

(c) $x = -1$ $y = 2$

(d) $x = -3$ $y = 1$

(e) $x = -4$ $y = 2$

(f) $x = 5$ $y = -3$

3. 8 @ 22p, 12 @ 30p

4. Mary £20, Tom £16

5. razors £4.00, soap £1.50

6. bag of crisps 40p, bottle of lemonade 50p