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# **Mathematics**

## Algebra - Solving Equations - Part 2

### **Practice Questions**

a) 2x + 5 = 3x - 1	x =
b) 4x - 2 = 2x + 10	x =
c) 2x + 5 = x + 10	x =
d) 5x - 9 = 3x + 15	x =
e) 9x - 5 = 7x + 11	x =
f) 12x + 8 = 10x + 16	x =
g) 3x + 6 = 5x - 2	x =
h) 4x - 3 = 2x + 9	x =
i) 10x - 6 = 8x + 4	x =
j) 6x - 4 = 5x + 7	x =
k) 7x + 9 = 9x - 5	x =

A bag contains two mystery envelopes containing money and some pound coins. Josh and Jacob take an envelope each and some pound coins.

Josh has 8 pound coins and Jacob has 9. When they open their mystery envelopes, Josh discovers 5 coins in there and Jacob finds 3. When they add all of their coins together, they have the same amount as each other.

Tick what each coin must be worth in the mystery bag. All of the coins are the same.







Doing lots of practice questions will help with becoming familiar with question types but what else can you do to improve in this area?

 Lots of practice. Working systematically and neatly will help you to work through the question without making mistakes that could be avoided!

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