

Solving Equations

Solve these equations with unknowns on both sides. See how far you can get!



BRONZE

a) $8x + 8 = 2x + 62$

b) $7x + 3 = x + 33$

c) $6x + 5 = 3x + 17$

d) $7x + 7 = 3x + 7$

e) $7x + 10 = 4x + 25$

f) $7x + 4 = 2x + 29$

g) $5x + 10 = 4x + 14$

h) $8x + 1 = 4x + 29$



SILVER

a) $10(x - 8) = 3x - 66$

b) $5(x+4) = 9x - 12$

c) $7(x+5) = 10x + 20$

d) $7(x-2) = 9x - 16$

e) $6(x+3) = 10x - 18$

f) $9(x+2) = 4x + 23$

g) $3(x-10) = 2x - 25$

h) $10(x+6) = 3x + 60$



GOLD

a) $2(p + 6) = 6(p - 0)$

b) $6(3x + 6) = 4(5x - 2)$

c) $5(a + 3) = 4(2a + 3)$

d) $4(b + 3) = 2(b + 4)$

e) $3(2y + 1) = 5(y + 2)$

f) $5(2x + 3) = 3(3x + 5)$

g) $3(6x + 5) = 4(4x + 5)$

h) $4(t + 4) = 6(t + 3)$



*Challenge: Can you create your own extension question?
How difficult can you make it? Does it work?*

