

The Subject Appears Twice *fluency*



Make x the subject

1 $ax + 3 = cx + 7$

2 $kx - 5 = 2x + p$

3 $y = ax + 5x$

4 $tx + 4 = 3x + q$

5 $px = qx + 6$

6 $ax - c = 2x + c$



Make x the subject

7 $a(x + 2) = c(x - 1)$

8 $k(x - 3) = x + 4$

9 $p(2 - x) = q(x + 1)$

10 $3(x + a) = c(x - 2)$

11 $t(x + 1) = 4x$

12 $a(x - c) = 2(x + c)$



Make x the subject

13 $y = \frac{x + 3}{x - 2}$

14 $y = \frac{2x}{x + 5}$

15 $a = \frac{x - 1}{x + 4}$

16 $y = \frac{3x + 1}{x}$

17 $k = \frac{x + c}{x}$

18 $y = \frac{4 - x}{2x + 1}$



Make x the subject

19 $\frac{x}{a} + \frac{x}{c} = 1$

20 $xy + 3 = 2x$

21 $ax = c(1 - x)$

22 $x + k = kx$

23 $2x - y = xy$

24 $p - x = qx + r$



Make x the subject

25 $ax^2 + 3 = cx^2 + 7$

26 $y = \frac{x^2 + 1}{x^2 - 2}$

27 $k(x^2 - 1) = x^2 + 5$

28 $p = \frac{x^2}{x^2 + q}$

29 $tx^2 = c(1 - x^2)$

30 $y = \frac{3 - x^2}{x^2 + 1}$