

Letters for Numbers Algeb18 Name: Daniel

If $2a = 6$, divide both sides by 2 so

$5b + 4 = 14$, take 4 from both sides then divide by 5 so Yes

If $a + 3 = 15$ then Yes

No spaces please

No spaces please

$4c = 20$ Yes

$6a = 18$ Yes

$10b = 40$ Yes

$5d = 30$ Yes

$5a = 60$ Yes

$5b + 10 = 60$ Yes

$n + 14 = 20$ Yes

$5c - 10 = 30$ Yes

$2m + 14 = 20$ Yes

$6d - 2 = 22$ Yes

Expanding Brackets **Keep in order**

Simple check only

$3(a + 2) = 3 \times a + 3 \times 2 = 3a + 6$

$5(a + 2) = 5 \times a + 5 \times 2 =$ Yes

$4(b + 3) =$ Yes

$5(a + 4) =$ Yes

$4(2a + 3) =$ Yes

$6(2a - 4) =$ Yes

$2(2b - 1) =$ Yes

$4(5a - 3) =$ Yes

$2(a + b) =$ Yes

$4(2b - a) =$ Yes

$5(3a - b) =$ Yes

$6(10 - 2a) =$ Yes

Expand and solve $5(a + 2) = 30$, expand, $5a + 10 = 30$, $5a = 20$ so Yes

$3(b + 4) = 30$ Yes

$2(c + 5) = 16$ Yes

$4(f - 4) = 12$ Yes

$2(n + 8) = 30$ Yes

$6(g + 3) = 48$ Yes

$3(h - 6) = 12$ Yes

$2(b - 9) = 14$ Yes

$4(x - 2) = 24$ Yes

$5(n - 7) = 20$ Yes

$9(h + 10) = 90$ Yes

A different way $5(a + 2) = 30$, divide by 5, $a + 2 = 6$, $a = 6 - 2$ so

$3(b + 5) = 24$ Yes

$2(c + 4) = 12$ Yes

$4(f - 6) = 20$ Yes

$5(n + 2) = 40$ Yes

$6(g + 7) = 60$ Yes

$4(h - 5) = 16$ Yes

$2(b - 4) = 16$ Yes

$3(x - 8) = 24$ Yes

$5(n - 10) = 35$ Yes

$9(h + 4) = 45$ Yes

