

Tis the Season... for Two-Step Equations!

Solve each two-step equation. Partner A should do the left side and Partner B should do the right side. Identify your matching answers, and color the tree accordingly.

Partner A: _____

Partner B: _____

1. $2x + 7 = -13$ _____

Red: $4x + 9 = 29$ _____

2. $-9x + 1 = -17$ _____

Orange: $-2x + 5 = 31$ _____

3. $\frac{x}{-2} + 7 = -1$ _____

Yellow: $\frac{x}{4} - 11 = -10$ _____

4. $4 = 3x - 11$ _____

Light Green: $-1 = 7x - 15$ _____

5. $19 - 5x = 54$ _____

Dark Green: $8 - 3x = 35$ _____

6. $5 = 8 + \frac{x}{3}$ _____

Light Blue: $-5 + 7x = 16$ _____

7. $-2 + 6x = 22$ _____

Dark Blue: $-1 = 3 + \frac{x}{-4}$ _____

8. $10 - x = 15$ _____

Purple: $-4 - x = 6$ _____

9. $\frac{x-10}{7} = -1$ _____

Pink: $\frac{x-2}{-3} = 3$ _____

10. $\frac{x+1}{-4} = 3$ _____

Brown: $\frac{x+13}{2} = 4$ _____

HAPPY
HOLIDAYS!



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1. $2x + 7 = -13$ $x = -10$

Red: $4x + 9 = 29$ $x = 5$

2. $-9x + 1 = -17$ $x = 2$

Orange: $-2x + 5 = 31$ $x = -13$

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Yellow: $\frac{x}{4} - 11 = -10$ $x = 4$

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Pink: $\frac{x-2}{-3} = 3$ $x = -7$

10. $\frac{x+1}{-4} = 3$ $x = -13$

Brown: $\frac{x+13}{2} = 4$ $x = -5$