

# Two Step Equations Coloring Activity

Name: \_\_\_\_\_

KEY

Solve each equation. Use Your solution to find the color for each section.

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|---|--|
| <p>1) <math>2x + 1 = 25</math><br/> <math>-1 \quad -1</math><br/> <math>2x = 24</math><br/> <math>\frac{2x}{2} = \frac{24}{2}</math><br/> <math>x = 12</math></p> <p><math>2 \overline{) 24}</math><br/> <math>\underline{04}</math></p> <p>Solution: <u><math>x = 12</math></u> Color: <del>Brown</del> <sup>Brown</sup></p> | <p>7) <math>-6x - 9 = 15</math><br/> <math>+9 \quad +9</math><br/> <math>-6x = 24</math><br/> <math>\frac{-6x}{-6} = \frac{24}{-6}</math><br/> <math>x = -4</math></p> <p>Solution: <u><math>x = -4</math></u> Color: <del>Dark Green</del> <sup>Dark Green</sup></p>  |
| <p>2) <math>4a - 3 = 13</math><br/> <math>+3 \quad +3</math><br/> <math>4a = 16</math><br/> <math>\frac{4a}{4} = \frac{16}{4}</math><br/> <math>a = 4</math></p> <p>Solution: <u><math>a = 4</math></u> Color: <del>Yellow</del></p>  | <p>8) <math>-b - 4 = 10</math><br/> <math>+4 \quad +4</math><br/> <math>-b = 14</math><br/> <math>\frac{-b}{-1} = \frac{14}{-1}</math></p> <p>Solution: <u><math>b = -14</math></u> Color: <del>Pink</del></p>   |
| <p>3) <math>3 + 6y = 15 \rightarrow 6y + 3 = 15</math><br/> <math>-3 \quad -3</math><br/> <math>6y = 12</math><br/> <math>\frac{6y}{6} = \frac{12}{6}</math><br/> <math>y = 2</math></p> <p>Solution: <u><math>y = 2</math></u> Color: <del>Light Blue</del></p>  | <p>9) <math>-9x - 35 = 10</math><br/> <math>+35 \quad +35</math><br/> <math>-9x = 45</math><br/> <math>\frac{-9x}{-9} = \frac{45}{-9}</math></p> <p>Solution: <u><math>x = -5</math></u> Color: <del>Dark Green</del></p>  |
| <p>4) <math>3x + 33 = 0</math><br/> <math>-33 \quad -33</math><br/> <math>3x = -33</math><br/> <math>\frac{3x}{3} = \frac{-33}{3}</math><br/> <math>x = -11</math></p> <p>Solution: <u><math>x = -11</math></u> Color: <del>Orange</del></p>  | <p>10) <math>4x + 8 = 18</math><br/> <math>-8 \quad -8</math><br/> <math>4x = 10</math><br/> <math>\frac{4x}{4} = \frac{10}{4}</math><br/> <math>x = 2.5</math></p> <p><math>4 \overline{) 10.0}</math><br/> <math>\underline{8}</math><br/> <math>20</math></p> <p>Solution: <u><math>x = 2.5</math></u> Color: <del>Light Blue</del></p> |
| <p>5) <math>-8y - 8 = 8</math><br/> <math>+8 \quad +8</math><br/> <math>-8y = 16</math><br/> <math>\frac{-8y}{-8} = \frac{16}{-8}</math><br/> <math>y = -2</math></p> <p>Solution: <u><math>y = -2</math></u> Color: <del>Light Green</del></p>   | <p>11) <math>-2a + 1 = 19</math><br/> <math>-1 \quad -1</math><br/> <math>-2a = 18</math><br/> <math>\frac{-2a}{-2} = \frac{18}{-2}</math></p> <p>Solution: <u><math>a = -9</math></u> Color: <del>Dark Blue</del></p>   |
| <p>6) <math>2 + 2x = -10</math><br/> <math>-2 \quad -2</math><br/> <math>2x = -12</math><br/> <math>\frac{2x}{2} = \frac{-12}{2}</math><br/> <math>x = -6</math></p> <p>Solution: <u><math>x = -6</math></u> Color: <del>Dark Blue</del></p>  | <p>12) <math>-3x + 39 = 21</math><br/> <math>-39 \quad -39</math><br/> <math>-3x = -18</math><br/> <math>\frac{-3x}{-3} = \frac{-18}{-3}</math><br/> <math>x = 6</math></p> <p>Solution: <u><math>x = 6</math></u> Color: <del>Yellow</del> <sup>Brown</sup></p>   |

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