



2

2

2

1

1

1

5

5

-6

-7

7

-7

8

3

-8

-4

4

-3

-2

-5

2

1

2

1

2

1

2

6

1

©2016 Teacher's Corner
Activities for Kids

2

NAME: _____ DATE: _____ CLASS: _____

Multi-Step Equations

Directions: Solve each equation. Show ALL steps! Find the ANSWER in the picture and color accordingly.

<p>1. $8(2n + 7) = 168$</p> <p style="text-align: right;">Light Green</p>	<p>2. $2 + 4(1 + 4n) = -90$</p> <p style="text-align: center;"> \downarrow \curvearrowright $2 + 4 + 16n = -90$ $6 + 16n = -90$ $\frac{-6}{-6}$ $\frac{-6}{-6}$ \hline $\frac{16n}{16} = \frac{-96}{16}$ </p> <p style="text-align: center;">$n = -6$ Pink</p>	<p>3. $7(a + b) = 77$</p> <p style="text-align: right;">Red</p>
<p>4. $-100 = -5(6r + 2)$</p> <p style="text-align: right;">Grey</p>	<p>5. $4(-4 - 7p) + p = -124$</p> <p style="text-align: right;">Purple</p>	<p>6. $-99 = -5(-7x + 7) + 6$</p> <p style="text-align: right;">Orange</p>
<p>7. $185 = 5n + 5(7 + 4n)$</p> <p style="text-align: right;">Purple</p>	<p>8. $-124 = b + -6(7b + 7)$</p> <p style="text-align: right;">Light Blue</p>	<p>9. $-130 = 5(3n - 2)$</p> <p style="text-align: right;">Blue</p>
<p>10. $-3(4x + 5) = 69$</p> <p style="text-align: right;">Light Purple</p>	<p>11. $-5(2 - 7n) = 270$</p> <p style="text-align: right;">Green</p>	<p>12. $-91 = 7(3r - 1)$</p> <p style="text-align: right;">Red</p>
<p>13. $-98 = 7(-6x - 8)$</p> <p style="text-align: right;">Yellow</p>	<p>14. $4(4n - 3) = -92$</p> <p style="text-align: right;">Green</p>	<p>15. $3(3x - 3) = -36$</p> <p style="text-align: right;">Orange</p>