

Name _____

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Solving Single and Double Step Equations- Worksheet 1

Solve the following:

1. $4x + 6 = 10$

2. $c + 5 = 15$

3. $2 + a = 8$

4. $8x = 16$

5. $a + 6 = 12$

6. $3 + b = 18$

7. $5 + x = 19$

8. $7 + 4b = 34$

9. $2 + 4c = 18$

10. $x + 9 = 27$



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Solving Single and Double Step Equations- Worksheet 1

ANSWERSSolve the following:

$$\begin{aligned} 1. \quad & 4x + 6 = 10 \\ & 4x = 10 - 6 \\ & 4x = 4 \\ & x = \frac{4}{4} = 1 \end{aligned}$$

$$\begin{aligned} 2. \quad & c + 5 = 15 \\ & c = 15 - 5 \\ & c = 10 \end{aligned}$$

$$\begin{aligned} 3. \quad & 2 + a = 8 \\ & a = 8 - 2 \\ & a = 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & 8x = 16 \\ & x = \frac{16}{8} \\ & x = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & a + 6 = 12 \\ & a = 12 - 6 \\ & a = 6 \end{aligned}$$

$$\begin{aligned} 6. \quad & 3 + b = 18 \\ & b = 18 - 3 \\ & b = 15 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5 + x = 19 \\ & x = 19 - 5 \\ & x = 14 \end{aligned}$$

$$\begin{aligned} 8. \quad & 7 + 4b = 34 \\ & 4b = 34 - 7 \\ & 4b = 28 \\ & b = \frac{28}{4} = 7 \end{aligned}$$

$$\begin{aligned} 9. \quad & 2 + 4c = 18 \\ & 4c = 18 - 2 \\ & 4c = 16 \\ & c = \frac{16}{4} = 4 \end{aligned}$$

$$\begin{aligned} 10. \quad & x + 9 = 27 \\ & x = 27 - 9 \\ & x = 18 \end{aligned}$$



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Solving Single and Double Step Equations- Worksheet 2

Solve the following:

1. $2x + 8 = 20$

2. $c + 8 = 22$

3. $3 + a = 9$

4. $10x = 30$

5. $a + 8 = 16$

6. $6 + b = 18$

7. $7 + x = 14$

8. $3 + 5b = 38$

9. $3 + 6c = 27$

10. $x + 5 = 25$



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Solving Single and Double Step Equations- Worksheet 2

ANSWERSSolve the following:

$$\begin{aligned} 1. \quad & 2x + 8 = 20 \\ & 2x = 20 - 8 \\ & 2x = 12 \\ & x = \frac{12}{2} = 6 \end{aligned}$$

$$\begin{aligned} 2. \quad & c + 8 = 22 \\ & c = 22 - 8 \\ & c = 14 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3 + a = 9 \\ & a = 9 - 3 \\ & a = 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & 10x = 30 \\ & x = \frac{30}{10} \\ & x = 10 \end{aligned}$$

$$\begin{aligned} 5. \quad & a + 8 = 16 \\ & a = 16 - 8 \\ & a = 8 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6 + b = 18 \\ & b = 18 - 6 \\ & b = 12 \end{aligned}$$

$$\begin{aligned} 7. \quad & 7 + x = 14 \\ & x = 14 - 7 \\ & x = 7 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3 + 5b = 38 \\ & 5b = 38 - 3 \\ & 5b = 35 \\ & b = \frac{35}{5} = 7 \end{aligned}$$

$$\begin{aligned} 9. \quad & 3 + 6c = 27 \\ & 6c = 27 - 3 \\ & 6c = 24 \\ & c = \frac{24}{6} = 4 \end{aligned}$$

$$\begin{aligned} 10. \quad & x + 5 = 25 \\ & x = 25 - 5 \\ & x = 20 \end{aligned}$$



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Solving Single and Double Step Equations- Worksheet 3

Solve the following:

1. $4x + 8 = 40$

2. $c + 7 = 63$

3. $5 + a = 15$

4. $4x = 64$

5. $a + 12 = 44$

6. $5 + b = 70$

7. $3 + x = 11$

8. $4 + 11b = 59$

9. $6 + 4c = 34$

10. $x + 6 = 30$



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Solving Single and Double Step Equations- Worksheet 3

ANSWERSSolve the following:

1. $4x + 8 = 40$
 $4x = 40 - 8$
 $4x = 32$
 $x = \frac{32}{4} = 8$

2. $c + 7 = 63$
 $c = 63 - 7$
 $c = 56$

3. $5 + a = 15$
 $a = 15 - 5$
 $a = 10$

4. $4x = 64$
 $x = \frac{64}{4}$
 $x = 16$

5. $a + 12 = 44$
 $a = 44 - 12$
 $a = 32$

6. $5 + b = 70$
 $b = 70 - 5$
 $b = 65$

7. $3 + x = 11$
 $x = 11 - 3$
 $x = 8$

8. $4 + 11b = 59$
 $11b = 59 - 4$
 $11b = 55$
 $b = \frac{55}{11} = 5$

9. $6 + 4c = 34$
 $4c = 34 - 6$
 $4c = 28$
 $c = \frac{28}{4} = 7$

10. $x + 6 = 30$
 $x = 30 - 6$
 $x = 24$



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Solving Single and Double Step Equations- Worksheet 4

Solve the following:

1. $3x + 9 = 51$

2. $c + 15 = 97$

3. $8 + a = 73$

4. $9x = 99$

5. $a + 7 = 65$

6. $9 + b = 38$

7. $20 + x = 77$

8. $9 + 2b = 47$

9. $4 + 6c = 88$

10. $x + 10 = 39$



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Solving Single and Double Step Equations- Worksheet 4

ANSWERSSolve the following:

$$\begin{aligned} 1. \quad & 3x + 9 = 51 \\ & 3x = 51 - 9 \\ & 3x = 42 \\ & x = \frac{42}{3} = 14 \end{aligned}$$

$$\begin{aligned} 2. \quad & c + 15 = 97 \\ & c = 97 - 15 \\ & c = 82 \end{aligned}$$

$$\begin{aligned} 3. \quad & 8 + a = 73 \\ & a = 73 - 8 \\ & a = 65 \end{aligned}$$

$$\begin{aligned} 4. \quad & 9x = 99 \\ & x = \frac{99}{9} \\ & x = 11 \end{aligned}$$

$$\begin{aligned} 5. \quad & a + 7 = 65 \\ & a = 65 - 7 \\ & a = 58 \end{aligned}$$

$$\begin{aligned} 6. \quad & 9 + b = 38 \\ & b = 38 - 9 \\ & b = 29 \end{aligned}$$

$$\begin{aligned} 7. \quad & 20 + x = 77 \\ & x = 77 - 20 \\ & x = 57 \end{aligned}$$

$$\begin{aligned} 8. \quad & 9 + 2b = 47 \\ & 2b = 47 - 9 \\ & 2b = 38 \\ & b = \frac{38}{2} = 19 \end{aligned}$$

$$\begin{aligned} 9. \quad & 4 + 6c = 88 \\ & 6c = 88 - 4 \\ & 6c = 84 \\ & c = \frac{84}{6} = 14 \end{aligned}$$

$$\begin{aligned} 10. \quad & x + 10 = 39 \\ & x = 39 - 10 \\ & x = 29 \end{aligned}$$



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Solving Single and Double Step Equations- Worksheet 5

Solve the following:

1. $4x + 7 = 91$

2. $c + 8 = 29$

3. $7 + a = 49$

4. $9x = 81$

5. $a + 10 = 67$

6. $8 + b = 57$

7. $9 + x = 33$

8. $4 + 2b = 74$

9. $5 + 6c = 90$

10. $x + 17 = 73$



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Solving Single and Double Step Equations- Worksheet 5

ANSWERSSolve the following:

1. $4x + 7 = 91$
 $4x = 91 - 7$
 $4x = 84$
 $x = \frac{84}{4} = 21$

2. $c + 8 = 29$
 $c = 29 - 8$
 $c = 21$

3. $7 + a = 49$
 $a = 49 - 7$
 $a = 42$

4. $9x = 81$
 $x = \frac{81}{9}$
 $x = 9$

5. $a + 10 = 67$
 $a = 67 - 10$
 $a = 57$

6. $8 + b = 57$
 $b = 57 - 8$
 $b = 49$

7. $9 + x = 33$
 $x = 33 - 9$
 $x = 24$

8. $4 + 2b = 74$
 $2b = 74 - 4$
 $2b = 70$
 $b = \frac{70}{2} = 35$

9. $5 + 6c = 90$
 $5c = 90 - 6$
 $6c = 84$
 $c = \frac{84}{6} = 14$

10. $x + 17 = 73$
 $x = 73 - 17$
 $x = 56$

