

Name: _____

Date _____

Topic : Solving Multi - Step Equations - Worksheet 1

Solve the following:

1. $r/2 + 8 = 16$ _____

2. $66 = 6z$ _____

3. $3(2z - 4) = 60$ _____

4. $(6z + 3) = 4 - z$ _____

5. $5 - 5(x + 10) = 10$ _____

6. $2p/6 = 30$ _____

7. $4q - 10 = 20$ _____

8. $4(2i - 6) = 10$ _____

9. $12u - 25 = 30$ _____

10. $8i + 4 = 20$ _____



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Topic : Solving Multi - Step Equations - Worksheet 1 **ANSWERS**

Solve the following:

1. $r/2 + 8 = 16$ 16

2. $66 = 6z$ 11

3. $3(2z - 4) = 60$ 12

4. $(6z + 3) = 4 - z$ 1\7

5. $5 - 5(x + 10) = 10$ 9

6. $2p/6 = 30$ 90

7. $4q - 10 = 20$ 7.5

8. $4(2i - 6) = 10$ 4.25

9. $12u - 25 = 30$ 4.58

10. $8i + 4 = 20$ 2



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Topic : Solving Multi - Step Equations - Worksheet 2

Solve the following:

1. $r/4 + 10 = 15$ _____

2. $15 = 3z$ _____

3. $2(4z - 6) = 20$ _____

4. $(3z + 5) = 6 - z$ _____

5. $2 - 4(x + 6) = 5$ _____

6. $4p/10 = 20$ _____

7. $5q - 10 = 10$ _____

8. $6(4i - 3) = 5$ _____

9. $6u - 9 = 15$ _____

10. $4i + 2 = 10$ _____



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Topic : Solving Multi - Step Equations - Worksheet 2 **ANSWERS**

Solve the following:

1. $r/4 + 10 = 15$ 20

2. $15 = 3z$ 5

3. $2(4z - 6) = 20$ 4

4. $(3z + 5) = 6 - z$ 1/4

5. $2 - 4(x + 6) = 5$ -6.75

6. $4p/10 = 20$ 50

7. $5q - 10 = 10$ 4

8. $6(4i - 3) = 5$ 0.95

9. $6u - 9 = 15$ 4

10. $4i + 2 = 10$ 2



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Topic : Solving Multi - Step Equations - Worksheet 3

Solve the following:

1. $r/6 + 8 = 12$ _____

2. $14 = 2z$ _____

3. $3(2z - 10) = 30$ _____

4. $(4z + 6) = 8 - z$ _____

5. $8 - 6(x + 5) = 7$ _____

6. $8p/6 = 24$ _____

7. $6q - 20 = 30$ _____

8. $8(3i - 4) = 10$ _____

9. $8u - 14 = 12$ _____

10. $3i - 2 = 16$ _____



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Topic : Solving Multi - Step Equations - Worksheet 3 **ANSWERS**

Solve the following:

1. $r/6 + 8 = 12$ 24

2. $14 = 2z$ 7

3. $3(2z - 10) = 30$ 10

4. $(4z + 6) = 8 - z$ 2/5 or 0.4

5. $8 - 6(x + 5) = 7$ 4.83

6. $8p/6 = 24$ 18

7. $6q - 20 = 30$ 8.33

8. $8(3i - 4) = 10$ 1.75

9. $8u - 14 = 12$ 3.25

10. $3i - 2 = 16$ 6



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Topic : Solving Multi - Step Equations - Worksheet 4

Solve the following:

1. $r/3 + 4 = 18$ _____

2. $20 = 3z$ _____

3. $4(3z - 8) = 12$ _____

4. $(6z + 8) = 10 - z$ _____

5. $4 - 8(x + 7) = 15$ _____

6. $9p/7 = 30$ _____

7. $4q - 32 = 15$ _____

8. $4(2i - 8) = 14$ _____

9. $10u - 20 = 30$ _____

10. $4i + 15 = 18$ _____



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Topic : Solving Multi - Step Equations - Worksheet 4 **ANSWERS**

Solve the following:

1. $r/3 + 4 = 18$ 42

2. $20 = 3z$ 6.66

3. $4(3z - 8) = 12$ 3.66

4. $(6z + 8) = 10 - z$ 2/7 Or 0.28

5. $4 - 8(x + 7) = 15$ 8.375

6. $9p/7 = 30$ 23.33

7. $4q - 32 = 15$ 11.75

8. $4(2i - 8) = 14$ 5.75

9. $10u - 20 = 30$ 5

10. $4i + 15 = 18$ 3/4 or .75



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Topic : Solving Multi - Step Equations - Worksheet 5

Solve the following:

1. $r/6 + 6 = 20$ _____

2. $32 = 4z$ _____

3. $6(4z - 10) = 14$ _____

4. $(3z + 14) = 35$ _____

5. $6 - 8(x + 4) = 18$ _____

6. $40p/9 = 36$ _____

7. $8q - 10 = 16$ _____

8. $8(6i - 10) = 12$ _____

9. $12u - 10 = 15$ _____

10. $8i + 16 = 48$ _____



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Topic : Solving Multi - Step Equations - Worksheet 5 **ANSWERS**

Solve the following:

1. $r/6 + 6 = 20$ 84

2. $32 = 4z$ 8

3. $6(4z - 10) = 14$ 3.08

4. $(3z + 14) = 35$ 7

5. $6 - 8(x + 4) = 18$ 2.5

6. $40p/9 = 36$ 8.1

7. $8q - 10 = 16$ 3.25

8. $8(6i - 10) = 12$ 1.91

9. $12u - 10 = 15$ 2.08

10. $8i + 16 = 48$ 4

