General Algebra II Lesson #1 Unit 1 Class CWS #1

For Worksheets #1 & #2

General Algebra II CWS #1 Unit 1

1. 5x + 4 = 7 2. 8x - 5 = 21

3. 9x + 19 = 7 4. 6x - 11 = 4

1.
$$5x + 4 = 7$$

 $5x$
2. $8x - 5 = 21$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 2$
2. $8x - 5 = 21$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
2. $8x - 5 = 21$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = 3$
2. $8x - 5 = 21$
 $x = 3$

3. 9x + 19 = 7 4. 6x - 11 = 4

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$
 $8x$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$
 $8x = 3$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$
 $8x = 26$

3.
$$9x + 19 = 7$$
 4. $6x - 11 = 4$

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26x =
- 3. 9x + 19 = 7 4. 6x 11 = 4

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 4. 6x 11 = 4

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 4. 6x 11 = 4

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x4. 6x - 11 = 4

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 79x = 4. 6x - 11 = 4

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 79x = -124. 6x - 11 = 4

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 x = -124. 6x - 11 = 4

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$
 $8x = 26$
 $x = \frac{13}{4}$

3.
$$9x + 19 = 7$$

 $9x = -12$
 $x = -\frac{4}{3}$
4. $6x - 11 = 4$

1.
$$5x + 4 = 7$$

 $5x = 3$
 $x = \frac{3}{5}$
2. $8x - 5 = 21$
 $8x = 26$
 $x = \frac{13}{4}$

3.
$$9x + 19 = 7$$

 $9x = -12$
4. $6x - 11 = 4$

 $X = \frac{1}{3}$

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 $x = \frac{-4}{3}$ 4. 6x - 11 = 46x

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 $x = \frac{-4}{3}$ 4. 6x - 11 = 46x =

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 $x = \frac{-4}{3}$ 4. 6x - 11 = 46x = 15

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 $x = \frac{-4}{3}$ 4. 6x - 11 = 4 6x = 15x = 15

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 $x = \frac{-4}{3}$ 4. 6x - 11 = 4 6x = 15 $x = \frac{5}{2}$

- 1. 5x + 4 = 7 5x = 3 $x = \frac{3}{5}$ 2. 8x - 5 = 21 8x = 26 $x = \frac{13}{4}$
- 3. 9x + 19 = 7 9x = -12 $x = \frac{-4}{3}$ 4. 6x - 11 = 4 6x = 15 $x = \frac{5}{2}$

5. 7x + 2 = 3x + 26 6. 9x - 13 = x + 5

5. 7x + 2 = 3x + 264x 6. 9x - 13 = x + 5

5.
$$7x + 2 = 3x + 26$$

 $4x =$
6. $9x - 13 = x + 5$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
6. $9x - 13 = x + 5$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x =$
6. $9x - 13 = x + 5$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x =$
5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = 18$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$
 8. $11x - 5 = 5x - 20$
5x

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$
 8. $11x - 5 = 5x - 20$
 $5x =$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$
 8. $11x - 5 = 5x - 20$
 $5x = -40$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
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7.
$$12x + 25 = 7x - 15$$
 8. $11x - 5 = 5x - 20$
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 $x =$

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7.
$$12x + 25 = 7x - 15$$
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 $5x = -40$
 $x = -8$

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 $4x = 24$
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 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$
 8. $11x - 5 = 5x - 20$
 $5x = -40$
 $x = -8$

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 $4x = 24$
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7.
$$12x + 25 = 7x - 15$$

 $5x = -40$
 $x = -8$
8. $11x - 5 = 5x - 20$
 $6x$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$

 $5x = -40$
 $x = -8$
8. $11x - 5 = 5x - 20$
 $6x =$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$

 $5x = -40$
 $x = -8$
8. $11x - 5 = 5x - 20$
 $6x = -15$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$

 $5x = -40$
 $x = -8$
8. $11x - 5 = 5x - 20$
 $6x = -15$
 $x = -15$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$

 $5x = -40$
 $x = -8$
8. $11x - 5 = 5x - 20$
 $6x = -15$
 $x = \frac{-5}{2}$

5.
$$7x + 2 = 3x + 26$$

 $4x = 24$
 $x = 6$
6. $9x - 13 = x + 5$
 $8x = 18$
 $x = \frac{9}{4}$

7.
$$12x + 25 = 7x - 15$$

 $5x = -40$
 $x = -8$
8. $11x - 5 = 5x - 20$
 $6x = -15$
 $x = \frac{-5}{2}$

9.
$$2(3x+5)+3(x-4)=6$$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

6x

9.
$$2(3x + 5) + 3(x - 4) = 6$$

6x +

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 +$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 6$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 =$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 10 = 6$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 =$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$
9x

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$
 $9x = 10$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$
 $9x = 8$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$
 $9x = 8$

 $\mathbf{X} =$

9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$
 $9x = 8$
 $x = \frac{8}{9}$
9.
$$2(3x + 5) + 3(x - 4) = 6$$

 $6x + 10 + 3x - 12 = 6$
 $9x - 2 = 6$
 $9x = 8$
 $x = \frac{8}{9}$

10. 4(x+3) + 3(2x+1) = 20

> 10. 4(x + 3) + 3(2x + 1) = 204x

10.
$$4(x+3) + 3(2x+1) = 20$$

 $4x +$

10.
$$4(x+3) + 3(2x+1) = 20$$

 $4x + 12$

10.
$$4(x+3) + 3(2x+1) = 20$$

 $4x + 12 +$

10. 4(x+3) + 3(2x+1) = 204x + 12 + 6x

10. 4(x + 3) + 3(2x + 1) = 204x + 12 + 6x +

10. 4(x + 3) + 3(2x + 1) = 204x + 12 + 6x + 3

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 =$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x +$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 =$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$
 $10x$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$
 $10x =$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$
 $10x = 5$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$
 $10x = 5$
 $x = 100$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$
 $10x = 5$
 $x = \frac{1}{2}$

10.
$$4(x + 3) + 3(2x + 1) = 20$$

 $4x + 12 + 6x + 3 = 20$
 $10x + 15 = 20$
 $10x = 5$
 $x = \frac{1}{2}$

11.
$$5(2x-3) + 2(x+2) = 6$$

11.
$$5(2x-3) + 2(x+2) = 6$$

10x

11.
$$5(2x-3) + 2(x+2) = 6$$

10x -

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 +

11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x$

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 + 2x +

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 + 2x + 4

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 + 2x + 4 =

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 + 2x + 4 = 6

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 + 2x + 4 = 6
12x

11.
$$5(2x-3) + 2(x+2) = 6$$

10x - 15 + 2x + 4 = 6
12x -

11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11$

11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 =$
11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$

11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$
 $12x$

11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$
 $12x = 12x = 12$

11.
$$5(2x-3) + 2(x+2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$
 $12x = 17$

11.
$$5(2x - 3) + 2(x + 2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$
 $12x = 17$
 $x = 10$

11.
$$5(2x - 3) + 2(x + 2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$
 $12x = 17$
 $x = \frac{17}{12}$

11.
$$5(2x - 3) + 2(x + 2) = 6$$

 $10x - 15 + 2x + 4 = 6$
 $12x - 11 = 6$
 $12x = 17$
 $x = \frac{17}{12}$

12.
$$6(3x-2) + 5(2x-3) = 15$$

12.
$$6(3x-2) + 5(2x-3) = 15$$

18x

12.
$$6(3x-2) + 5(2x-3) = 15$$

18x -

12.
$$6(3x-2) + 5(2x-3) = 15$$

18x - 12

12.
$$6(3x-2) + 5(2x-3) = 15$$

18x - 12 +

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x -$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 =$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 10x - 15 = 15$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 =$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$

12.
$$6(3x-2) + 5(2x-3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$
 $28x$

12.
$$6(3x - 2) + 5(2x - 3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$
 $28x = 15$

12.
$$6(3x - 2) + 5(2x - 3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$
 $28x = 42$

12.
$$6(3x - 2) + 5(2x - 3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$
 $28x = 42$
 $x = 100$

12.
$$6(3x - 2) + 5(2x - 3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$
 $28x = 42$
 $x = \frac{3}{2}$

12.
$$6(3x - 2) + 5(2x - 3) = 15$$

 $18x - 12 + 10x - 15 = 15$
 $28x - 27 = 15$
 $28x = 42$
 $x = \frac{3}{2}$

_

13. 4(3x+5) - 2(3x+1) = 15

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

12x

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

12x +

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 -$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 12x + 10 = 15$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2$
13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 =$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x +$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 =$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$
 $6x$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$
 $6x = 15$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$
 $6x = -3$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$
 $6x = -3$
 $x = -3$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$
 $6x = -3$
 $x = \frac{-1}{2}$

13.
$$4(3x + 5) - 2(3x + 1) = 15$$

 $12x + 20 - 6x - 2 = 15$
 $6x + 18 = 15$
 $6x = -3$
 $x = \frac{-1}{2}$

14. 5(x+3) - 7(3x-2) = 9

14.
$$5(x + 3) - 7(3x - 2) = 9$$

5x

14.
$$5(x+3) - 7(3x-2) = 9$$

5x +

14.
$$5(x+3) - 7(3x-2) = 9$$

 $5x + 15$

14.
$$5(x+3) - 7(3x-2) = 9$$

 $5x + 15 - 7(3x - 2) = 9$

14.
$$5(x+3) - 7(3x-2) = 9$$

 $5x + 15 - 21x$

14.
$$5(x+3) - 7(3x-2) = 9$$

 $5x + 15 - 21x +$

14.
$$5(x+3) - 7(3x-2) = 9$$

 $5x + 15 - 21x + 14$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 =$

14.
$$5(x+3) - 7(3x-2) = 9$$

 $5x + 15 - 21x + 14 = 9$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
-16x

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 100$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 =$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$
 $-16x$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$
 $-16x = 100$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$
 $-16x = -20$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$
 $-16x = -20$
 $x = -16x = -20$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$
 $-16x = -20$
 $x = \frac{5}{4}$

14.
$$5(x + 3) - 7(3x - 2) = 9$$

 $5x + 15 - 21x + 14 = 9$
 $-16x + 29 = 9$
 $-16x = -20$
 $x = \frac{5}{4}$

General Algebra II CWS #1 Unit 1

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle? General Algebra II CWS #1 Unit 1

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15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

X (inches)

 $2\mathbf{x}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2x – X (inches)

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Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2x - 3$$
 (inches)

X (inches)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2x - 3$$
 (inches)

X (inches)

P

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

P =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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X (inches)

P = 2L

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2x - 3$$
 (inches)

X (inches)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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$$2x - 3$$
 (inches)

X (inches)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2x - 3 (inches) 2(2x X (inches)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

 $\frac{2x-3 \text{ (inches)}}{x \text{ (inches)}} \qquad 2(2x-1)$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\begin{array}{c}
2x - 3 \text{ (inches)} \\
X \text{ (inches)}
\end{array}$$

$$\begin{array}{c}
2(2x - 3) \\
2(2x - 3)
\end{array}$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

 $\begin{array}{c}
2x - 3 \text{ (inches)} \\
X \text{ (inches)}
\end{array}$ $\begin{array}{c}
2(2x - 3) + \\
2(2x - 3) + \\
\end{array}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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 $\begin{array}{c}
2x - 3 \text{ (inches)} \\
X \text{ (inches)}
\end{array}$ $\begin{array}{c}
2(2x - 3) + 2 \\
\end{array}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

 $\frac{2x - 3 \text{ (inches)}}{X \text{ (inches)}} \qquad 2(2x - 3) + 2x$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\frac{2x - 3 \text{ (inches)}}{X \text{ (inches)}} \qquad 2(2x - 3) + 2x =$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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$$\frac{2x - 3 \text{ (inches)}}{X \text{ (inches)}} \qquad 2(2x - 3) + 2x =$$

P = 2L + 2W 5 feet

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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 $\frac{2x - 3 \text{ (inches)}}{X \text{ (inches)}} \qquad 2(2x - 3) + 2x =$

P = 2L + 2W 5 feet =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

 $\frac{2x - 3 \text{ (inches)}}{X \text{ (inches)}} \qquad 2(2x - 3) + 2x =$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\frac{2x - 3 \text{ (inches)}}{X \text{ (inches)}} \qquad 2(2x - 3) + 2x = 60$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\begin{array}{c}
2x - 3 \text{ (inches)} \\
X \text{ (inches)}
\end{array}
\begin{array}{c}
2(2x - 3) + 2x = 60 \\
4x
\end{array}$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\begin{array}{ll}
2x - 3 \text{ (inches)} & 2(2x - 3) + 2x = 60 \\
x \text{ (inches)} & 4x - \end{array}$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\begin{array}{c}
2x - 3 \text{ (inches)} \\
X \text{ (inches)}
\end{array}$$

$$\begin{array}{c}
2(2x - 3) + 2x = 60 \\
4x - 6
\end{array}$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2x - 3 \text{ (inches)} \qquad 2(2x - 3) + 2x = 60$$

X (inches)
$$4x - 6 +$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$
$$4x - 6 + 2x$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 604x - 6 + 2x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$\begin{array}{c} 2x - 3 \text{ (inches)} \\ X \text{ (inches)} \end{array} \begin{array}{c} 2(2) \\ 4 \end{array}$$

$$2(2x-3) + 2x = 60$$
$$4x - 6 + 2x = 60$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

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2(2x - 3) + 2x = 604x - 6 + 2x = 606x - 6

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 =$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 604x - 6 + 2x = 606x - 6 = 60

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 60 4x - 6 + 2x = 60 6x - 6 = 606x

 $\mathbf{P} = 2\mathbf{L} + 2\mathbf{W}$

5 feet = 60 inches
Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 = 60$$

$$6x = 60$$

 $\mathbf{P} = \mathbf{2L} + \mathbf{2W}$

5 feet = 60 inches

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 60 4x - 6 + 2x = 60 6x - 6 = 606x = 66

 $\mathbf{P} = \mathbf{2L} + \mathbf{2W}$

5 feet = 60 inches

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 60 4x - 6 + 2x = 60 6x - 6 = 60 6x = 66X

5 feet = 60 inches

P = 2L + 2W

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 60 4x - 6 + 2x = 60 6x - 6 = 60 6x = 66x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2(2x - 3) + 2x = 60 4x - 6 + 2x = 60 6x - 6 = 60 6x = 66x = 11

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 = 60$$

$$6x = 66$$

$$x = 11$$

$$2x$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 = 60$$

$$6x = 66$$

$$x = 11$$

$$2x - 6$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 = 60$$

$$6x = 66$$

$$x = 11$$

$$2x - 3$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 = 60$$

$$6x = 66$$

$$x = 11$$

$$2x - 3 =$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

$$2(2x - 3) + 2x = 60$$

$$4x - 6 + 2x = 60$$

$$6x - 6 = 60$$

$$6x = 66$$

$$x = 11$$

$$2x - 3 = 19$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2x - 3 (inches)	2(2x - 3) + 2x = 60
X (inches)	4x - 6 + 2x = 60
	$\mathbf{6x} - 6 = 60$
$\mathbf{P} = \mathbf{2L} + \mathbf{2W}$	$\mathbf{6x} = 66$
	x = 11
5 feet = 60 inches	2x - 3 = 19

The rectangle is 19 inches long

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2x - 3 (inches)	2(2x - 3) + 2x = 60
X (inches)	4x - 6 + 2x = 60
	$6\mathbf{x} - 6 = 60$
$\mathbf{P} = \mathbf{2L} + \mathbf{2W}$	$\mathbf{6x} = 66$
	x = 11
5 feet = 60 inches	2x - 3 = 19

The rectangle is 19 inches long and 11 inches wide.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

15. The length of a rectangle is 3 inches less than twice its width. The perimeter of the rectangle is five feet. What are the dimensions of the rectangle?

2x - 3 (inches)	2(2x - 3) + 2x = 60
X (inches)	4x - 6 + 2x = 60
	$6\mathbf{x} - 6 = 60$
$\mathbf{P} = \mathbf{2L} + \mathbf{2W}$	$\mathbf{6x} = 66$
	x = 11
5 feet = 60 inches	2x - 3 = 19

The rectangle is 19 inches long and 11 inches wide.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

16. A hotdog costs 75 cents more than a soda. A burger costs 20 cents less than three times as much as a soda.4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

Solve each of the following word problems algebraically. Show your process steps neatly organized.

16. A hotdog costs 75 cents more than a soda. A burger costs 20 cents less than three times as much as a soda.4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

soda

Solve each of the following word problems algebraically. Show your process steps neatly organized.

16. A hotdog costs 75 cents more than a soda. A burger costs 20 cents less than three times as much as a soda.4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

soda hotdog

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soda hotdog burger

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soda

hotdog

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cost each

soda X (cents)

hotdog

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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cost each

soda X (cents)

hotdog X

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4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

cost each

soda X (cents)

hotdog x +

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cost each

soda X (cents)

hotdog x + 75 c

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

cost each

soda X (cents)

hotdog x + 75 c

burger 3x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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cost each

soda X (cents)

hotdog x + 75 ¢

burger 3x –

Solve each of the following word problems algebraically. Show your process steps neatly organized.

16. A hotdog costs 75 cents more than a soda. A burger costs 20 cents less than three times as much as a soda.
4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

cost each

soda	X (cents)
------	-----------

hotdog x + 75 c

Solve each of the following word problems algebraically. Show your process steps neatly organized.

16. A hotdog costs 75 cents more than a soda. A burger costs 20 cents less than three times as much as a soda.4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

cost each4(sodaX (cents)hotdog $x + 75 \notin$ burger $3x - 20 \notin$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

16. A hotdog costs 75 cents more than a soda. A burger costs 20 cents less than three times as much as a soda.4 burgers, 3 hotdogs, and 7 sodas cost a total of \$19.05. How much does each item cost?

cost each4(3x)sodaX (cents)hotdog $x + 75 \notin$ burger $3x - 20 \notin$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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cost each4(3x - 4)sodaX (cents)hotdog $x + 75 \notin$ burger $3x - 20 \notin$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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cost each4(3x - 20)sodaX (cents)hotdog $x + 75 \notin$ burger $3x - 20 \notin$

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cost each4(3x - 20) +sodaX (cents)hotdog $x + 75 \notin$ burger $3x - 20 \notin$

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cost each4(3x-20)+3(sodaX (cents)hotdog $x + 75 \notin$ burger $3x - 20 \notin$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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 X (cents)

hotdog x + 75 c

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$$x + 75 =$$

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$$x + 75 = 155$$

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3x –

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$$3x-20$$

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3x - 20 = 220

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Solve each of the following word problems algebraically. Show your process steps neatly organized.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

17. In a collection of ordinary dimes and quarters, the number of dimes is 3 more than 4 times the number of quarters. If the total value of the collection is \$12, then how many coins of each type are there?

dimes quarters

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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dimes

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of coins dimes 4x + quarters X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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of coins dimes 4x + 3 quarters X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢
dimes	4x + 3	
quarters	X	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ø
dimes	4x + 3	10(
quarters	X	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢
dimes	4x + 3	10(4x
quarters	X	

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	# of coins	value ¢
dimes	4x + 3	10(4x +
quarters	X	

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of coinsvalue ¢dimes4x + 310(4x + 3)quartersX

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢
dimes	4x + 3	10(4x + 3)
quarters	X	25

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢
dimes	4x + 3	10(4x + 3)
quarters	X	25x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢
dimes	4x + 3	10(4x + 3)
quarters	X	25 x
	total	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢
dimes	4x + 3	10(4x + 3)
quarters	X	25 x
	total	1200 ¢

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(
dimes	4x + 3	10(4x + 3)	
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4 x
dimes	4x + 3	10(4x + 3)	
quarters	X	25x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x +
dimes	4x + 3	10(4x + 3)	
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3)
dimes	4x + 3	10(4x + 3)	
quarters	X	25x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) +
dimes	4x + 3	10(4x + 3)	
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3)+25x
dimes	4x + 3	10(4x + 3)	
quarters	X	25x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3)+25x =
dimes	4x + 3	10(4x + 3)	
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x +
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 +
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x =
quarters	X	25 x	
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25 x	
	total	1200 ¢	
Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25 x	65x
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x +
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25 x	65x + 30
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 =
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25 x	65x + 30 = 1200
	total	1200 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25 x	65x + 30 = 1200
	total	1200 ¢	65x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			x = 18

Solve each of the following word problems algebraically. Show your process steps neatly organized.

17. In a collection of ordinary dimes and quarters, the number of dimes is 3 more than 4 times the number of quarters. If the total value of the collection is \$12, then how many coins of each type are there?

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			x = 18

4x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

17. In a collection of ordinary dimes and quarters, the number of dimes is 3 more than 4 times the number of quarters. If the total value of the collection is \$12, then how many coins of each type are there?

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			x = 18
			<u> </u>

4x +

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			x = 18
			4x + 3

Solve each of the following word problems algebraically. Show your process steps neatly organized.

17. In a collection of ordinary dimes and quarters, the number of dimes is 3 more than 4 times the number of quarters. If the total value of the collection is \$12, then how many coins of each type are there?

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			x = 18

4x + 3 =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

17. In a collection of ordinary dimes and quarters, the number of dimes is 3 more than 4 times the number of quarters. If the total value of the collection is \$12, then how many coins of each type are there?

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
			$\mathbf{x} = 18$

4x + 3 = 75

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
There are 18 quarters			x = 18
			4x + 3 = 75

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
There are 18 quarters and 75 dime			x = 18
			4x + 3 = 75

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	10(4x+3) + 25x = 1200
dimes	4x + 3	10(4x + 3)	40x + 30 + 25x = 1200
quarters	X	25x	65x + 30 = 1200
	total	1200 ¢	65x = 1170
There are 18 quarters and 75 dimes.			dimes. $x = 18$
	1		4x + 3 = 75

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece?

short middle

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece?

short middle long

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short

middle

long

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short X middle long

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short xmiddle long 3x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short xmiddle long 3x +

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short X middle

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short xmiddle xlong 3x + 2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) short x middle x +

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches)
short X

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece?

length (inches)

X

short

middle x + 8

 $\begin{array}{c} \text{long} \quad 3x+2\\ \text{total} \end{array}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece?

length (inches)

X

short

middle x + 8

long 3x+2

total 120 inches

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece?

length (inches)

X

short

middle x + 8

long 3x+2

total 120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches)

short

middle x + 8

long 3x+2

total 120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) x +

short

middle x + 8

long 3x+2

total 120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) x + (x)

short

middle x + 8

long 3x+2

total 120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + t)

short

middle x + 8

long 3x+2

total 120 inches (10 feet)
Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8)

length (inches)

X

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + y = 0

length (inches)

X

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x)

length (inches)

X

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 1) + (3x

length (inches)

X

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2)

length (inches)

X

x + (x + 0) + (3x + 0)

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) =

length (inches)

X

 $(x + (x + \delta) + (3x + 2))$

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches) x + (x + 8) + x = x

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) x + (x + 8) + (3x + 2) = 120

5x

short

middle x + 8

long 3x+2

total 120 inches (10 feet)

X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) x + (x + 8) + (3x + 2) = 120

5x +

short X

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)

X

(x + 8) + (3x + 2) = 15x + 10

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)

X

(5x + 6) + (5x + 2) - 5x + 10 =

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)

X

(3x + 6) + (3x + 2) - 5x + 10 = 120

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? length (inches) x + (x + 8) + (3x + 2) = 120

5x + 10 = 120

5x

short

middle x + 8

long 3x+2

total 120 inches (10 feet)

X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

5x + 10 = 120

 $5\mathbf{x} =$

length (inches)

short

middle x + 8

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

5x + 10 = 120

5x = 110

length (inches) X

short

 $\mathbf{x} + \mathbf{8}$ middle

long 3x+2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (3x + 2)120shortx5x + 10 = 120middlex + 85x = 110long3x + 2x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (3x + 2) - 120shortxmiddlex + 8long3x + 2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (3x + 2) = 120shortxmiddlex + 8long3x + 2

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (3x + 2) - 120shortxshortxmiddlex + 8long3x + 2total120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (5x + 2)120shortx5x + 10 = 120middlex + 85x = 110long3x + 2x +total120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (3x + 2)120shortx5x + 10 = 120middlex + 85x = 110long3x + 2x + 8total120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 0) + (3x + 2)120shortx5x + 10 = 120middlex + 85x = 110x = 22x + 8 =long3x + 2x + 8 =total120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)x + (x + 6) + (5x + 2)120shortx5x + 10 = 120middlex + 85x = 110x = 22x + 8 = 30total120 inches (10 feet)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

length (inches)			
short	X	5x + 10 = 120	
niddlo	$\mathbf{v} + 8$	5x = 110	
	$\mathbf{X} + \mathbf{O}$	x = 22	
long	3X + 2	x + 8 = 30	
total	120 inches (10 feet)	3 x	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

length (inches)	
short X	5x + 10 = 120
$\frac{\mathbf{v} + \mathbf{s}}{\mathbf{v} + \mathbf{s}}$	5x = 110
$\frac{1}{2} x \perp 2$	x = 22
$\frac{JX + Z}{JX + Z}$	x + 8 = 30
total 120 inches (10 feet)	3x +

Solve each of the following word problems algebraically. Show your process steps neatly organized.

length (inches)			
short	X	5x + 10 = 120	
niddle	x + 8	5x = 110	
lana	$3_{\rm T} \perp 2$	$\mathbf{x} = 22$	
long	3X + 2	x + 8 = 30	
total	120 inches (10 feet)	3x + 2	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

length (inches)		$\mathbf{A} + (\mathbf{A} + \mathbf{O}) + (\mathbf{O}\mathbf{A} + \mathbf{Z})$	
short		5x + 10 = 120	
niddlo	$\mathbf{v} + 8$	5x = 110	
nuuic		$\mathbf{x} = 22$	
long	3X + Z	x + 8 = 30	
total	120 inches (10 feet)	3x + 2 =	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

length (inches)		$\mathbf{A} = (\mathbf{A} + \mathbf{O}) + (\mathbf{S}\mathbf{A} + \mathbf{Z}) + \mathbf{I}\mathbf{Z}\mathbf{O}$,
short	X	5x + 10 = 120	
niddlo	$\mathbf{v} + 8$	5x = 110	
		$\mathbf{x} = 22$	
long	3x + 2	x + 8 = 30	
total	120 inches (10 feet)	3x + 2 = 68	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)		X + (X + 0) + (3X + 2) = 120	
short	X	5x + 10 = 120	
niddle	$\mathbf{x} + 8$	5x = 110	
nuuic		$\mathbf{x} = 22$	
long	3X + Z	x + 8 = 30	
total	120 inches (10 feet)	3x + 2 = 68	

The pieces measure 22 inches,

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)		$x + (x + \delta) + (3x + 2) = 120$
short	X	5x + 10 = 120
middle	$\mathbf{x} + 8$	5x = 110
long	3x + 2	$\mathbf{X} = 22$
totol	$\frac{170}{170} = 10$	$\mathbf{X} + 8 = 30$
iutai	120 menes (10 leet)	3x + 2 = 68

The pieces measure 22 inches, 30 inches,

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)		X + (X + 0) + (3X + 2) - 120
short	X	5x + 10 = 120
middle	$\mathbf{x} + 8$	5x = 110
long	3x + 2	$\mathbf{x} = 22$
totol	$\frac{1}{10}$ is a loss (10 foot)	$\mathbf{X} + 8 = 30$
ισιαι	120 inches (10 leet)	3x + 2 = 68

The pieces measure 22 inches, 30 inches, and 68 inches.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

18. An iron rod that is ten feet long is cut into three pieces. The length of the longest piece is two inches more than three times the length of the shortest piece. The middle piece if eight inches longer than the shortest piece. How long is each piece? x + (x + 8) + (3x + 2) = 120

length (inches)		A + (A + O) + (3A + Z)	140
short	X	5x + 10 = 120	
middle	$\mathbf{x} + 8$	5x = 110	
long	3x + 2	$\mathbf{x} = 22$	
lung		x + 8 = 30	
total	120 inches (10 feet)	3x + 2 = 68	

The pieces measure 22 inches, 30 inches, and 68 inches.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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quarters

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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quarters nickels

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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of coins quarters nickels
Solve each of the following word problems algebraically. Show your process steps neatly organized.

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of coins quarters X nickels

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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of coins quarters x nickels 60

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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of coins quarters x nickels 60 –

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of coins quarters x nickels 60 – x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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of coins value ¢ quarters x nickels 60 – x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

of coins value ¢
quarters x 25
nickels 60 - x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

of coins value ¢ quarters x 25x nickels 60 - x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

 $\begin{array}{ccc} \# \ of \ coins & value \ c \\ quarters & x & 25x \\ nickels & 60-x & 5 \end{array}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

of coinsvalue $\not e$ quartersx25xnickels60 - x5(60)

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

 $\begin{array}{ccc} \# \ of \ coins & value \ c \\ quarters & x & 25x \\ nickels & \underline{60-x} & 5(60-x) \\ \hline total & 800 \ c \end{array}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

of coins value $e^{-1} = 25x + 5(60 - x) = 1000$ quarters x 25x nickels 60 - x = 5(60 - x)total 800 ¢

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

 $\begin{array}{c|cccc} \# \ of \ coins & value \ c \\ quarters & x & 25x \\ nickels & \underline{60-x} & 5(60-x) \\ \hline total & 800 \ c \end{array}$

25x + 5(60 - x) = 800

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

of coinsvalue \not{c} 25x + 5(60 - x) = 800quartersx25x25xnickels60 - x5(60 - x)25xtotal $800 \not{c}$ $800 \not{c}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

of coinsvalue \not{c} 25x + 5(60 - x) = 800quartersx25x25x + 5(50 - x) = 800nickels60 - x5(60 - x)25x + 5(60 - x)total $800 \not{c}$ $800 \not{c}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

 # of coins
 value $\not c$ 25x + 5(60 - x) = 800

 quarters
 x
 25x 25x + 300

 nickels
 60 - x 5(60 - x) 25x + 300

 total
 $800 \ \not c$ $800 \ \not c$ $800 \ \not c$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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 $\begin{array}{c|cccc} \# \ of \ coins & value \ c \\ quarters & x & 25x \\ nickels & \underline{60-x} & \underline{5(60-x)} \\ \hline total & \underline{800} \ c \end{array}$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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 $\begin{array}{c|cccc} \# \ of \ coins & value \ c \\ quarters & x & 25x \\ nickels & \underline{60-x} & \underline{5(60-x)} \\ \hline total & \underline{800} \ c \end{array}$

25x + 5(60 - x) = 80025x + 300 - 5x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

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 $\begin{array}{c|cccc} \# \ of \ coins & value \ c \\ quarters & x & 25x \\ nickels & \underline{60-x} & \underline{5(60-x)} \\ \hline total & \underline{800} \ c \end{array}$

25x + 5(60 - x) = 80025x + 300 - 5x = 800

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x
	total	800 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 – x	5(60 - x)	20 x +
	total	800 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300
	total	800 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 =
	total	800 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

800

	# of coins	value ¢	25x + 5(60 - x) = 80
quarters	X	25 x	25x + 300 - 5x = 80
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20 x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60-x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			x = 25

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			$\mathbf{x} = 25$
			60

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			$\mathbf{x} = 25$
			60 -

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			x = 25
			60 - x

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
		,	x = 25

60 - x =

Solve each of the following word problems algebraically. Show your process steps neatly organized.

19. A collection of sixty ordinary quarters and nickels is worth a total of \$8. How many coins of each type are there in the collection?

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
			x = 25

60 - x = 35

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
There are 25 quarters			$\mathbf{x} = 25$
			60 - x = 35

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
There ar	e 25 quarte	ers and 35 ni	$\mathbf{x} = 25$
I IICI C UI			60 - x = 35

Solve each of the following word problems algebraically. Show your process steps neatly organized.

	# of coins	value ¢	25x + 5(60 - x) = 800
quarters	X	25 x	25x + 300 - 5x = 800
nickels	60 - x	5(60 - x)	20x + 300 = 800
	total	800 ¢	20x = 500
There ar	e 25 quart	ers and 35 ni	$\mathbf{x} = 25$
	quart		60 - x = 35

Solve each of the following word problems algebraically. Show your process steps neatly organized.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

1st: 2nd: 3rd: 4th: 5th: 6th:

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20. Find six consecutive integers whose sum is 333.

1st: X 2nd: 3rd: 4th: 5th: 6th:

Solve each of the following word problems algebraically. Show your process steps neatly organized.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}$$
: X
 2^{nd} : x + 1
 3^{rd} : x + 2
 4^{th} :
 5^{th} :
 6^{th} :

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

 $2^{nd}: x + 1$
 $3^{rd}: x + 2$
 $4^{th}: x + 3$
 $5^{th}:$
 $6^{th}:$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

1st: X
2nd:
$$x + 1$$

3rd: $x + 2$
4th: $x + 3$
5th: $x + 4$
6th:

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X \\ 2^{nd}: x + 1 \\ 3^{rd}: x + 2 \\ 4^{th}: x + 3 \\ 5^{th}: x + 4 \\ 6^{th}: x + 5$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X \\ 2^{nd}: x + 1 \\ 3^{rd}: x + 2 \\ 4^{th}: x + 3 \\ 5^{th}: x + 4 \\ 6^{th}: x + 5$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X \\ 2^{nd}: x + 1 \\ 3^{rd}: x + 2 \\ 4^{th}: x + 3 \\ 5^{th}: x + 4 \\ 6^{th}: x + 5$$

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$$1^{st}: X \\ 2^{nd}: x + 1 \\ 3^{rd}: x + 2 \\ 4^{th}: x + 3 \\ 5^{th}: x + 4 \\ 6^{th}: x + 5$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

$$2^{nd}: x + 1$$

$$3^{rd}: x + 2$$

$$4^{th}: x + 3$$

$$5^{th}: x + 4$$

$$6^{th}: x + 5$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

$$2^{nd}: x + 1$$

$$3^{rd}: x + 2$$

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Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

$$2^{nd}: x + 1$$

$$3^{rd}: x + 2$$

$$4^{th}: x + 3$$

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Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

$$2^{nd}: x + 1$$

$$3^{rd}: x + 2$$

$$4^{th}: x + 3$$

$$5^{th}: x + 4$$

$$6^{th}: x + 5$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

$$2^{nd}: x + 1$$

$$3^{rd}: x + 2$$

$$4^{th}: x + 3$$

$$5^{th}: x + 4$$

$$6^{th}: x + 5$$

$$6x + 15 = 333$$

$$6x$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}: X$$

$$2^{nd}: x + 1$$

$$3^{rd}: x + 2$$

$$4^{th}: x + 3$$

$$5^{th}: x + 4$$

$$6^{th}: x + 5$$

$$6x + 15 = 333$$

$$6x = 318$$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}$$
: X

 2^{nd} : $x + 1$
 3^{rd} : $x + 2$
 $6x + 15 = 333$
 4^{th} : $x + 3$
 $6x = 318$
 5^{th} : $x + 4$
 X

 6^{th} : $x + 5$
 X

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}$$
: X

 2^{nd} : $x + 1$
 3^{rd} : $x + 2$
 $6x + 15 = 333$
 4^{th} : $x + 3$
 $6x = 318$
 5^{th} : $x + 4$
 $x =$
 6^{th} : $x + 5$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

$$1^{st}$$
: X

 2^{nd} : $x + 1$
 3^{rd} : $x + 2$
 $6x + 15 = 333$
 4^{th} : $x + 3$
 $6x = 318$
 5^{th} : $x + 4$
 $x = 53$
 6^{th} : $x + 5$

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53,

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53, 54,

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53, 54, 55,
Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53, 54, 55, 56,

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53, 54, 55, 56, 57,

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53, 54, 55, 56, 57, and 58.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.

$$1^{st}$$
: X

 2^{nd} : x + 1

 3^{rd} : x + 2
 $6x + 15 = 333$
 4^{th} : x + 3
 $6x = 318$
 5^{th} : x + 4
 $x = 53$
 6^{th} : x + 5

The numbers are 53, 54, 55, 56, 57, and 58.

Solve each of the following word problems algebraically. Show your process steps neatly organized.

20. Find six consecutive integers whose sum is 333.



The numbers are 53, 54, 55, 56, 57, and 58.