Intro Math book p.33-38

1. 5x – x = 8 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants (regular numbers) on the OTHER

 side of the equation.

□ Divide to get the variable all by itself

2. 3x - x = 6 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants (regular numbers) on the OTHER

 side of the equation.

□ Divide to get the variable all by itself

3. 5x – 2x = x + 10 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

4. 8x – 3x + 2 = 2x + 20 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

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5. x + 4 = 6x – x + 0 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

6. 4x – x = 21 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

7. 5x - 3x + 3 = 11 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

8. 2x - 2 = 12 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

9. 14 = 6x – 3x + 2 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

10. 5x + 3 - x = 19 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

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1. 14 = 5x - 2x + 2 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

2. 3x + 4 = 3x + 8 – 2x + x □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

3. 17 + 3x – x = 8x + 2 -x □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

4. 4x – 3x + 10 = 2x + 1 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

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5. 20 = 7x - 5x + 2 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

6. 8x – 4x = 5x – 3x + 12 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

7. 4x - x + 2x + 5 = x + 21 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

8. 4 + 6x + 4 = 7x- 3x + 10 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

Percents Review

9. You have a paper route and you get to keep half of the money you collect. You collect $47. How much money do you get to keep?

1. $24. 50 b. $23.50 c. $22.50 d. $21.50

10. What a percentage of the money you collected is that?

a. about 50%

b. exactly 50%

c. 25%