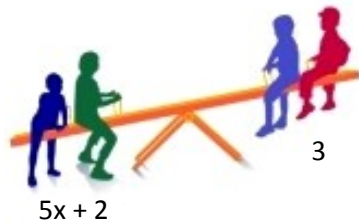Name: _____   Date _____

Topic : <u>Applied Problems of Inequalities- Worksheet 1</u>

1.   **Rex**   My weight is 30 Kg.

2.   **Alice**   My weight is 3 Kg more than Rex.

3.   **Giles**   My weight is 2.5 Kg more than Alice.

4.   **Rosy**   My weight is 4.5 Kg less than Giles.

5.   **Ferry**   My weight is 3.8 Kg less than Rosy.

6.   **Alex**   My weight is 6.1 Kg more than Ferry.

7.   **Andrew** My weight is 1.7 Kg more than Alex.

<u>Answer the following questions according to the figure.</u>

3

5x + 2

8. What inequality is depicted by this seesaw?

9. Solve the inequality for x.

10. If see-saw line is parallel to ground, then x = ____.
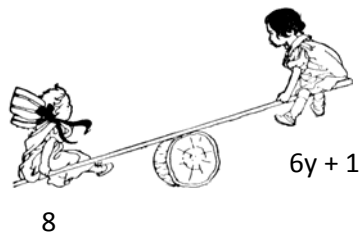
Name: _____   Date _____

Topic : Applied Problems of Inequalities- Worksheet 2

1. **Andy**   My weight is 50 Kg.

2. **Rocky**   My weight is 5.1 Kg more than Andy.

3. **Austin**   My weight is 6.5 Kg more than Rocky.

4. **Ashley**   My weight is 4.4 Kg less than Austin.

5. **Robin**   My weight is 2.5 Kg less than Ashley.

6. **Martin**   My weight is 7.7 Kg more than Robin.

7. **Glen**   My weight is 6.4 Kg more than Martin.

Answer the following questions according to the figure.

$6y + 1$

8

8. What inequality is depicted by this seesaw?

9. Solve the inequality for y.

10. If see-saw line is parallel to ground, then y = ____.
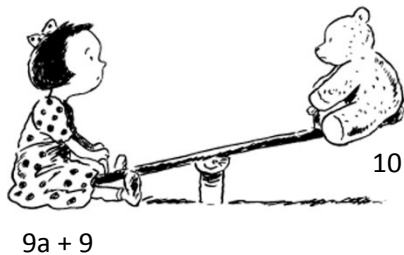
Name: _____   Date _____

Topic : <u>Applied Problems of Inequalities- Worksheet 3</u>

    1.   **Alex**   My weight is 45 Kg.

    2.   **Rocky**   My weight is 1.4 Kg more than Alex.

    3.   **Jason**   My weight is 8.2 Kg more than Rocky.

    4.   **Ricky**   My weight is 6.1 Kg less than Jason.

    5.   **Lilly**   My weight is 2.6 Kg less than Ricky.

    6.   **Alice**   My weight is 7.4 Kg more than Lilly.

    7.   **Alma**   My weight is 4.5 Kg more than Alice.

<u>Answer the following questions according to the figure.</u>

10

9a + 9

8. What inequality is depicted by this seesaw?

9. Solve the inequality for a.

10. If see-saw line is parallel to ground, then a = ___.
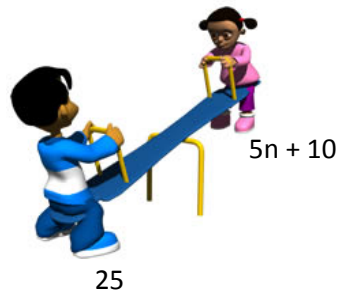
Name: _____   Date _____

Topic : <u>Applied Problems of Inequalities- Worksheet 4</u>

1.   **Rick**   My weight is 55 Kg.

2.   **Gerry**   My weight is 3.4 Kg more than Rick.

3.   **Allie**   My weight is 6.5 Kg more than Gerry.

4.   **Andy**   My weight is 2.3 Kg less than Allie.

5.   **Amber**   My weight is 7.9 Kg less than Andy.

6.   **Storm**   My weight is 5.8 Kg more than Amber.

7.   **Ricky**   My weight is 6.6 Kg more than Storm.

<u>Answer the following questions according to the figure.</u>

$5n + 10$

25

8. What inequality is depicted by this seesaw?

9. Solve the inequality for n.

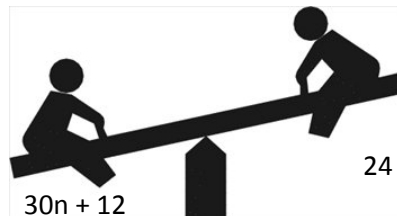**10.** If see-saw line is parallel to ground, then n = ____.

Name: _____ Date _____

Topic : <u>Applied Problems of Inequalities- Worksheet 5</u>

1. **Andy** My weight is 58 Kg.

2. **Allie** My weight is 4.6 Kg more than Andy.

3. **Martin** My weight is 1.8 Kg more than Allie.

4. **Ray** My weight is 4.9 Kg less than Martin.

5. **Polly** My weight is 7.9 Kg less than Ray.

6. **Betty** My weight is 3.9 Kg more than Polly.

7. **Rocky** My weight is 4.9 Kg more than Betty.

<u>Answer the following questions according to the figure.</u>

30n + 12

24

8. What inequality is depicted by this seesaw?

9. Solve the inequality for n.

10. If see-saw line is parallel to ground, then n = ____.