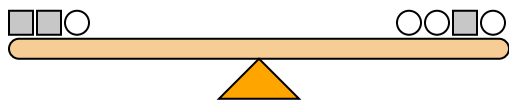**The scales below are balanced. Use the scales to answer each question.**
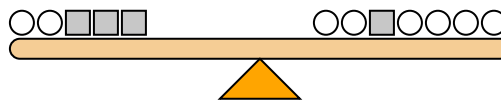
1)

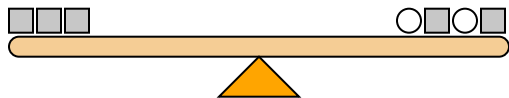■ ■ ○   ○ ○ ■ ○

If you added 4 circles to the left side, how many squares would you have to add to the right side to keep it balanced?

2)

○ ○ ■ ■ ■   ○ ○ ■ ○ ○ ○ ○

If you added 2 squares to the right side, how many circles would you have to add to the left side to keep it balanced?

1. _____

2. _____

3. _____

4. _____

3)

■ ■ ■   ○ ■ ○ ■

If you added 6 circles to the left side, how many squares would you have to add to the right side to keep it balanced?
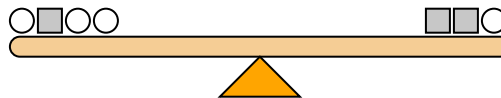
4)

○ ■ ○ ○   ■ ■ ○

If you added 6 circles to the left side, how many squares would you have to add to the right side to keep it balanced?

5. _____

6. _____

7. _____

8. _____

5)

■ ■ ■ ■   ○ ○ ■ ○ ○ ○

If you added 8 circles to the right side, how many squares would you have to add to the left side to keep it balanced?

6)

○ ○ ■ ■ ○   ○ ○ ○ ○ ■ ○

If you added 2 squares to the right side, how many circles would you have to add to the left side to keep it balanced?

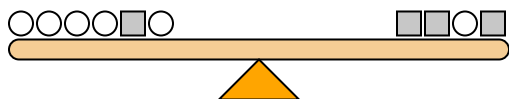9. _____

10. _____

7)

○ ○ ○ ○ ■ ■   ■ ■ ■ ■

If you added 8 circles to the right side, how many squares would you have to add to the left side to keep it balanced?
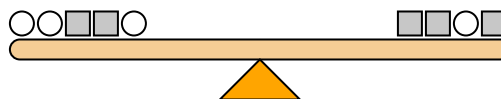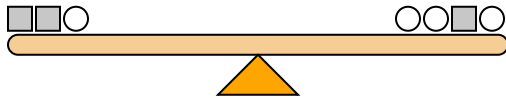
8)

○ ■ ■ ■   ○ ○ ○ ○ ○ ■

If you added 8 circles to the right side, how many squares would you have to add to the left side to keep it balanced?

9)

○ ○ ○ ○ ■ ○   ■ ■ ○ ■

If you added 4 circles to the right side, how many squares would you have to add to the left side to keep it balanced?

10)

○ ○ ■ ■ ○   ■ ■ ○ ■

If you added 2 squares to the left side, how many circles would you have to add to the right side to keep it balanced?
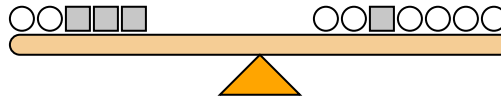
Name: **Answer Key**

The scales below are balanced. Use the scales to answer each question.
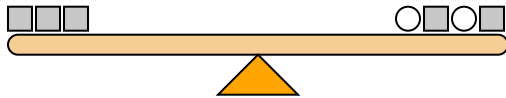
1) 2+2+1 = 1+1+2+1

If you added 4 circles to the left side, how many squares would you have to add to the right side to keep it balanced?
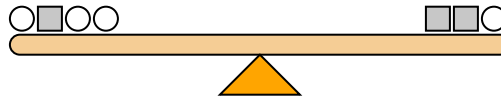
2) 1+1+2+2+2 = 1+1+2+1+1+1+1

If you added 2 squares to the right side, how many circles would you have to add to the left side to keep it balanced?
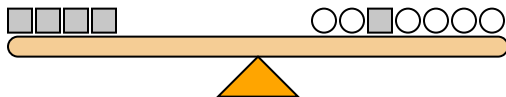
3) 2+2+2 = 1+2+1+2

If you added 6 circles to the left side, how many squares would you have to add to the right side to keep it balanced?
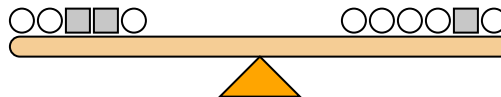
4) 1+2+1+1 = 2+2+1

If you added 6 circles to the left side, how many squares would you have to add to the right side to keep it balanced?
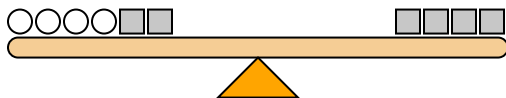
5) 2+2+2+2 = 1+1+2+1+1+1+1

If you added 8 circles to the right side, how many squares would you have to add to the left side to keep it balanced?
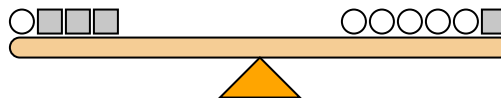
6) 1+1+2+2+1 = 1+1+1+1+2+1

If you added 2 squares to the right side, how many circles would you have to add to the left side to keep it balanced?
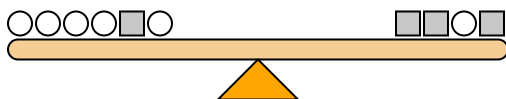
7) 1+1+1+1+2+2 = 2+2+2+2

If you added 8 circles to the right side, how many squares would you have to add to the left side to keep it balanced?
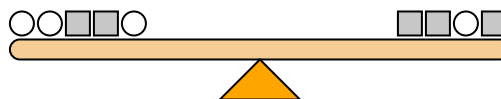
8) 1+2+2+2 = 1+1+1+1+1+2

If you added 8 circles to the right side, how many squares would you have to add to the left side to keep it balanced?

9) 1+1+1+1+2+1 = 2+2+1+2

If you added 4 circles to the right side, how many squares would you have to add to the left side to keep it balanced?

10) 1+1+2+2+1 = 2+2+1+2

If you added 2 squares to the left side, how many circles would you have to add to the right side to keep it balanced?

	Answers
1.	**2**
2.	**4**
3.	**3**
4.	**3**
5.	**4**
6.	**4**
7.	**4**
8.	**4**
9.	**2**
10.	**4**

1-10	90	80	70	60	50	40	30	20	10	0