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

1) If you added 1 squares to the left side, how many circles would you have to add to the right side to keep it balanced?
2) If you added 2 circles to the right side, how many squares would you have to add to the left side to keep it balanced?
3) If you added 5 squares to the right side, how many circles would you have to add to the left side to keep it balanced?
4) If you added 6 circles to the right side, how many squares would you have to add to the left side to keep it balanced?
5) 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?
6) 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?
7) If you added 4 squares to the right side, how many circles would you have to add to the left side to keep it balanced?
8) If you added 4 squares to the right side, how many circles would you have to add to the left side to keep it balanced?
9) 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?
10) If you added 4 squares to the left side, how many circles would you have to add to the right side to keep it balanced?

Answers:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
The scales below are balanced. Use the scales to answer each question.

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

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

3) \[2+2+1 = 1+1+1+2\]
   If you added 5 squares to the right side, how many circles would you have to add to the left side to keep it balanced?

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

5) \[1+1+2+2 = 2+2+2\]
   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?

6) \[2+2+2+1 = 1+1+1+1+1+2\]
   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?

7) \[2+1+1+1+1+1+1 = 1+2+2+1+1+1\]
   If you added 4 squares to the right side, how many circles would you have to add to the left side to keep it balanced?

8) \[1+2+1+1+1+1 = 2+1+2+2\]
   If you added 4 squares to the right side, how many circles would you have to add to the left side to keep it balanced?

9) \[2+2+1+2 = 1+1+1+2+2\]
   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?

10) \[2+1+2+1+2 = 1+2+2+1+1+1\]
    If you added 4 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. 1
3. 10
4. 3
5. 2
6. 4
7. 8
8. 8
9. 4
10. 8