Show a complete solution for each problem.

1. The sum of three consecutive integers is 105. Find the integers.

4 = first integer 4+1 = second integer 4+2 = third integer

4+1=35 4+2=36

- 2. The sum of three consecutive integers is -129. Find the integers.
- 3. The sum of four consecutive integers is -334. Find the integers.
- 4. The sum of four consecutive integers is 262. Find the integers.
- 5. The sum of three consecutive integers is 33 more than the least of the integers. Find the integers.
- 6. The sum of three consecutive integers is 47 less than the least of the integers. Find the integers.
- 7. The sum of three consecutive even integers is 138. Find the integers.
- 8. The sum of three consecutive even integers is -312. Find the integers.
- 9. The sum of three consecutive odd integers is -219. Find the integers.
- 10. The sum of three consecutive odd integers is 285. Find the integers.
- 11. The sum of four consecutive even integers is the same as the least of the integers. Find the integers.
- 12. The sum of four consecutive odd integers is 0. Find the integers.

Show a complete solution for each problem.

1. The sum of three consecutive integers is 138. Find the integers.

 $\chi$  = first integer  $\chi + (\chi + 1) + (\chi + 2) = 138$   $\chi + 1$  = second integer  $\chi + 2 = 138$   $\chi + 2 = 138$   $\chi + 3 = 138$   $\chi + 3 = 138$ 

2. The sum of three consecutive integers is -114. Find the integers.

- 3. The sum of four consecutive integers is -294. Find the integers.
- 4. The sum of four consecutive integers is 238. Find the integers.
- 5. The sum of three consecutive integers is 53 more than the least of the integers. Find the integers.
- 6. The sum of three consecutive integers is 71 less than the least of the integers. Find the integers.
- 7. The sum of three consecutive even integers is 210. Find the integers.
- **8.** The sum of three consecutive even integers is -360. Find the integers.
- 9. The sum of three consecutive odd integers is 111. Find the integers.
- **10.** The sum of three consecutive odd integers is -75. Find the integers.
- 11. The sum of four consecutive even integers equals seven times the greatest of the integers. Find the integers.
- 12. The sum of four consecutive odd integers is three more than five times the least of the integers. Find the integers.