

Consecutive Integer Problems

Do ALL Work with paper and pencil /NO CALCULATOR use /Check answers below

1. Find four consecutive integers whose sum is 234.
2. Find two consecutive odd integers whose sum is 224.
3. Find three consecutive integers such that the sum of the first two integers is 24 more than the third.
4. Find three consecutive even integers such that the sum of the smallest and twice the second is 20 more than the third.
5. Find four consecutive odd integers such that the sum of the first three exceeds the fourth by 18.
6. Find three consecutive integers such that the sum of the first and second is 27 less than 3 times the third.
7. Find three consecutive even integers such that twice the sum of the second and third exceeds 3 times the first by 34.
8. The sum of the reciprocals of two consecutive integers is 17 times the reciprocal of their product. Find the larger integer.
9. Find three consecutive integers such that the sum of the first and the third, increased by 3, is 50 more than the second.
10. If the lesser of two consecutive odd integers is doubled, the result is 7 more than the greater of the two integers. Find the two integers.
11. Find three consecutive integers such that the sum of the first and twice the second is 22 more than twice the third.
12. Find four consecutive integers such that the sum of the first three is 62 more than the fourth.
13. The sum of the least and greatest of three consecutive integers is 45 more than the middle integer. What are the three integers?

Answers:

1. 57, 58, 59, 60

2. 111, 113

3. 25, 26, 27

4. 10, 12, 14

5. 9, 11, 13, 15

6. 22, 23, 24

7. 22, 24, 26

8. 8, 9

9. 46, 47, 48

10. 9, 11

11. 24, 25, 26

12. 31, 32, 33, 34

13. 44, 45, 46