Sum of a sequence: multiples and equal steps worksheet – Grade 8

Grade 8 · Mixed level · 20 questions · **Version X9454**

Name: _____ Date: _____ Score: ___ / 20

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1. Find the sum $3 + 6 + 9 + \cdots + 87$.

   Answer: _____

2. Work out the sum $5 + 10 + 15 + \cdots + 55$.

   Answer: _____

3. What is the sum $1 + 2 + 3 + \cdots + 24$?

   Answer: _____

4. What is the sum $1 + 2 + 3 + \cdots + 22$?

   Answer: _____

5. Find the sum $2 + 4 + 6 + \cdots + 26$.

   Answer: _____

6. Work out the sum $1 + 2 + 3 + \cdots + 82$.

   Answer: _____

7. Work out the sum $3 + 6 + 9 + \cdots + 36$.

   Answer: _____

8. What is the sum $10 + 20 + 30 + \cdots + 240$?

   Answer: _____

9. Work out the sum $7 + 14 + 21 + \cdots + 392$.

   Answer: _____

10. Find the sum $5 + 10 + 15 + \cdots + 310$.

    Answer: _____

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11. What is the sum $14 + 28 + 42 + \cdots + 854$?

    Answer: _____

12. Work out the sum $11 + 22 + 33 + \cdots + 627$.

    Answer: _____

13. Find the sum $10 + 20 + 30 + \cdots + 390$.

    Answer: _____

14. What is the sum $10 + 20 + 30 + \cdots + 460$?

    Answer: _____

15. What is the sum $25 + 27 + 29 + \cdots + 67$?

    Answer: _____

16. Work out the sum of all the multiples of 7 from 1 to 237.

    Answer: _____

17. Find the sum $16 + 21 + 26 + \cdots + 161$.

    Answer: _____

18. Find the sum of all the multiples of 8 from 1 to 300.

    Answer: _____

19. Work out the sum $26 + 31 + 36 + \cdots + 246$.

    Answer: _____

20. A theatre has 22 rows. The first row has 14 seats, and each row has 3 more seats than the row in front. How many seats are there altogether?

    Answer: _____

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Answer key · Version X9454

Sum of a sequence: multiples and equal steps worksheet – Grade 8 · Grade 8 · to reprint this sheet or check the answers, enter X9454 on the skill page.

1. **1305**
2. **330**
3. **300**
4. **253**
5. **182**
6. **3403**
7. **234**
8. **3000**
9. **11172**
10. **9765**
11. **26474**
12. **18183**
13. **7800**
14. **10810**
15. **1012**
16. **3927**
17. **2655**
18. **5624**
19. **6120**
20. **1001**

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