

OLYMPIAD · EVERYDAY MATHEMATICS · OLYMPIAD PREPARATION · DPP SHEET

Chapter 16: Averages

Daily practice problems: 10 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. Find the average of 12, 15, 18, 21 and 24.
2. The average of 5 numbers is 20. A sixth number is added and the average becomes 22. Find the sixth number.
3. A class of 30 students has average 60 marks and another class of 20 students has average 70. Find the average of all 50 students.
4. Find the average of the first 20 natural numbers.
5. The average age of 8 people is 40. A person aged 32 leaves and a new person joins. The average becomes 41. Find the age of the new person.
6. A student scored 70, 75, 80 and 85 in four tests. What is needed in the fifth test for an average of 80?
7. The average of six numbers is 15. The average of four of them is 12. Find the average of the other two.
8. Find the average of 7 consecutive numbers beginning with 10.
9. The average age of 3 friends is 14 years. A fourth friend joins and the average becomes 15 years. Find the age of the fourth friend.
10. The average temperature on Monday, Tuesday and Wednesday was 30°C and on Tuesday, Wednesday and Thursday was 32°C . If Thursday was 33°C , find the temperature on Monday.

Answer Key

1. 18.
2. 32.
3. 64.
4. 10.5.
5. 40 years.
6. 90.
7. 21 ($90 - 48 = 42$, and $42 \div 2 = 21$).
8. 13.
9. 18 years.
10. 27°C (the sums are 90 and 96, so Thursday – Monday = 6).

MathSetu