

**Task 1** – For each of the following questions, work out the mean, median, mode and range of:

- 1) 4, 6, 8, 10, 12
- 2) 3, 7, 7, 9, 11
- 3) 5, 9, 12, 15, 20
- 4) 2, 4, 6, 8, 8
- 5) 10, 15, 20, 25, 30, 35
- 6) 7, 12, 12, 18, 21, 21, 21
- 7) 1, 4, 4, 4, 9, 11, 15
- 8) 5, 7, 8, 12, 15, 18, 20, 22
- 9) 3, 6, 6, 9, 12, 15, 15, 18, 21
- 10) 14, 14, 15, 16, 17, 20, 22, 25, 25, 30

**Task 2**

- 11) The mean of 5 numbers is 12. Four of the numbers are 10, 8, 15, and 13. Find the missing number.
- 12) The mean of 8 numbers is 6. Seven of the numbers are 5, 8, 7, 4, 3, 9, and 6. Find the missing number.
- 13) The mean weight of 6 boxes is 20 kg. If 5 of the boxes weigh 18 kg, 22 kg, 19 kg, 25 kg, and 15 kg, find the weight of the last box.
- 14) The mean score of 10 students is 72. The total score of 9 students is 650. Find the score of the 10th student

- 15) The mean of 6 numbers is 15. If one number is removed, the mean of the remaining 5 numbers becomes 14. Find the number that was removed.
- 16) The mean of 5 numbers is 18. If another number is added, the new mean becomes 17. Find the number that was added.
- 17) The mean of a group of 4, year 7 pupils is 15. The mean of a group of 6, year 8 pupils is 18. What is the mean of the combined group?
- 18) The mean of 12 test scores is 65. The mean of 8 of those scores is 70. Find the mean of the remaining 4 scores.

**Challenge**

- 19) The mean of 5 numbers in ascending order is 6.2. The numbers satisfy the following:

- The first number is even.
- The mode is 3.
- The range is 15.

Find a possible set of numbers.

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- 20) Two classes take a maths test. Class A has 15 students with a mean score of 68. Class B has 25 students with a mean score of 74. One student joins Class A, and the combined mean of the classes is now 72. What did the new student score?