

Fluency Challenge

Calculate the mean

- 1) 1, 2, 3, 2
- 2) 4, 3, 2, 4, 2
- 3) 5, 4, 6, 1
- 4) 2, 5, 1, 4, 7, 5
- 5) 10, 11, 9, 12, 8
- 6) 1, 2, -2, 1, -2
- 7) 4, -2, 3, -3, 3
- 8) 4, 5.5, 3, 5.5

Find the value of x

- 1) Median = 10
3, 5, 9, x, 12, 13
- 2) Mean = 7
4, 8, 11, x
- 3) Mean = 3
-4, 5, 8, 2, x
- 4) Median = 10
2, 4, x, 3x, 18, 20
- 5) Mean = 5
2, x, 5, 2x, 3
- 6) Mean = 10
x, 2x, 3x, 4x

1) A meal for 6 costs £12 per person. As it is one of the diners birthday, the other 5 decided to pay for his meal. How much do each of the 5 friends need to pay?

2) The mean of 6 numbers is 25. If one number is removed, the average of the remaining numbers is 15. What is the number that was removed?

3) Alex drove for 3 hours at an average speed of 60 miles per hour and for 2 hours at 45 miles per hour. What is his average speed for the whole journey?