

Algebra

Maths2Art : Making Maths Simple & Visual

June 3, 2018

Find the value of X

Problem 1. $6X + 5 = 23$

Problem 2. $3X - 5 = 13$

Problem 3. $31 = 7X + 3$

Problem 4. $100 = 5X - 5$

Problem 5. $5 + 3X = 11$

Problem 6. $X + 3 + 2X + 4 = 37$

Problem 7. $3X + 5 + X + 1 + X + 2 = 48$

Problem 8. $X + 2 + X + 4 + X + 6 = 24$

Problem 9. $2X + 3 + 2X + 1 + 2X + 2 = 54$

Problem 10. The sum of 3 consecutive numbers is 81. What is the smallest number?

Problem 11. The sum of 5 consecutive numbers is 90. What is the smallest number?

Problem 12. The sum of 5 consecutive numbers is 90. What is the largest number?

Problem 13. The sum of 4 consecutive even numbers is 100. What are the numbers?

Problem 14. The sum of 3 consecutive odd numbers is 69. What are the numbers?

Problem 15. When 7 is subtracted from 3 times a certain number, the result is 29. What is the number?

Problem 16. The sum of two numbers is 54. The second number is five times the first. Find the numbers.

Problem 17. The difference between two numbers is 9. Find the numbers, if their sum is 47.

Problem 18. If 3 angles in a triangle are in the ratio 3:4:5. Find them.

Problem 19. The sum of 3 numbers is 28. The second number is three times the first and the third is 7 less than the second. What are the numbers?

Problem 20. A number is decreased by 15 and the new number so obtained is multiplied by 3; the result is 81. Find the number.

Here is what you were looking for so long ;) Answer Key

Question	Answer	Question	Answer
1	3	2	6
3	4	4	21
5	2	6	10
7	8	8	4
9	8	10	26
11	16	12	20
13	22, 24, 26, 28	14	21, 23, 25
15	12	16	9, 45
17	19, 28	18	45, 60, 75
19	5, 15, 8	20	42

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