Advanced Arithmetic Mastery

Mathematics · Answer Key · 18 Questions

1. What is the result of subtracting the sum of 456 and 789 from the product of 12 and 150?

A) 55
B) 155
C) 255
D) 355

2. If a store inventory has 2,345 items and receives a shipment of 890, then sells 1,422, what is the final count?

A) 1,813
B) 1,823
C) 1,913
D) 1,923

3. Calculate the difference between the sum of the first ten prime numbers and the sum of the first ten positive integers.

A) 104
B) 109
C) 129
D) 134

4. A marathon runner has covered 28,450 metres of a 42,195-metre race. How many metres remain?

A) 13,745
B) 13,645
C) 14,745
D) 14,645

5. Evaluate: 5,678 - (1,234 + 987) + 345.

A) 3,802
B) 3,702
C) 3,902
D) 3,602

6. What is the value of 10,000 - 4,321 - 1,234?

A) 4,445
B) 4,545
C) 4,345
D) 4,645

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7. A library holds 15,000 books. If 2,450 books are borrowed and 1,120 books are returned in one day, how many books remain?

A) 13,670
B) 13,570
C) 13,770
D) 13,470

8. Solve for x: x + 4,567 = 12,345 - 3,210.

A) 4,568
B) 4,558
C) 4,468
D) 4,668

9. The population of a city is 85,600. If 4,200 people move in and 5,800 move out over a year, what is the new population?

A) 83,900
B) 84,000
C) 84,100
D) 84,200

10. Calculate the result of 98,765 - 12,345 + 5,432.

A) 91,852
B) 92,852
C) 90,852
D) 93,852

11. What is the difference between the largest four-digit number and the smallest four-digit number?

A) 8,888
B) 8,999
C) 9,000
D) 9,100

12. If you add 7,890 to the difference of 20,000 and 5,678, what is the total?

A) 22,212
B) 22,312
C) 21,212
D) 23,212

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13. A train travels 450km in the morning and 375km in the afternoon. If the total route is 1,200km, how much distance remains?

A) 375km
B) 425km
C) 475km
D) 325km

14. Determine the value of 55,555 - 11,111 + 22,222.

A) 66,666
B) 65,666
C) 64,666
D) 67,666

15. What is the sum of all integers from 1 to 50, subtracted by 1,000?

A) 275
B) 285
C) 295
D) 305

16. A manufacturing plant produced 50,000 units. It scrapped 1,250 as defective and sold 38,750. How many units are in stock?

A) 10,000
B) 11,000
C) 12,000
D) 13,000

17. Evaluate: 9,999 + 8,888 - 7,777.

A) 11,110
B) 11,210
C) 11,010
D) 11,100

18. If a bank account has $12,500 and a $3,750 deposit is made followed by a $5,250 withdrawal, what is the balance?

A) 11,000
B) 10,000
C) 12,000
D) 13,000

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