Codingal

ESTIMATION OF 10 DIGITS

1. Rounding Method

Estimate the sum of 5,432,109,876 and 6,765,432,123 by rounding both numbers to the nearest billion.

A) 12 billion

B) 11 billion

C) 13 billion

D) 10 billion

2. Front-End Estimation

Use front-end estimation to estimate the sum of 9,876,543,210 and 1,234,567,890 by focusing on the first few digits.

A) 11 billion

B) 10 billion

C) 12 billion

D) 13 billion

3. Clustering Method

Estimate the sum of 3,456,789,123, 3,654,321,987, and 3,543,210,987. These numbers are close to the same value.

A) 10.5 billion

B) 11 billion

C) 9.5 billion

D) 10 billion

LIVEWORKSHEETS

4. Compatible Numbers (Division)

Estimate the result of 9,876,543,210 ÷ 2,345,678,912 by rounding both numbers to easier numbers.

A) 4

B) 3

C) 5

D) 6

5. Rounding Method

Estimate the difference between 12,345,678,910 and 7,654,321,234 by rounding both numbers to the nearest billion.

A) 4 billion

B) 5 billion

C) 6 billion

D) 7 billion

6. Front-End Estimation

Use front-end estimation to estimate the difference between 7,654,321,098 and 2,345,678,901.

A) 5 billion

B) 4 billion

C) 6 billion

D) 3 billion

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7. Compatible Numbers (Multiplication)

Estimate the result of 2,123,456,789 × 3,987,654,321 by rounding both numbers to easier numbers.

A) 8 trillion

B) 6 trillion

C) 9 trillion

D) 7 trillion

8. Clustering Method

Estimate the sum of 8,765,432,100, 8,876,543,200, and 8,987,654,300. These numbers are close to each other.

A) 27 billion

B) 26.5 billion

C) 25 billion

D) 26 billion

9. Compatible Numbers (Subtraction)

Estimate the difference between 9,999,999,999 and 4,444,444,444 by rounding both numbers to easier numbers.

A) 5 billion

B) 4 billion

C) 6 billion

D) 7 billion

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10. Front-End Estimation

Use front-end estimation to estimate the sum of 1,987,654,321 and 6,543,210,987.

A) 8 billion

B) 9 billion

C) 7 billion

D) 10 billion

11. Clustering Method

Estimate the sum of 2,345,678,912, 2,234,567,891, and 2,123,456,789 by clustering the numbers.

A) 6 billion

B) 7 billion

C) 6.5 billion

D) 7.5 billion

12. Compatible Numbers (Division)

Estimate the result of 7,654,321,098 ÷ 876,543,210 by rounding both numbers to easier numbers.

A) 9

B) 8

C) 7

D) 6

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13. Rounding Method

Estimate the product of 1,234,567,890 and 9,876,543,210 by rounding both numbers to the nearest billion.

A) 12 trillion

B) 10 trillion

C) 15 trillion

D) 9 trillion

14. Front-End Estimation

Use front-end estimation to estimate the product of 6,543,210,987 and 1,234,567,890.

A) 7 trillion

B) 8 trillion

C) 6 trillion

D) 9 trillion

15. Compatible Numbers (Subtraction)

Estimate the difference between 8,765,432,109 and 2,345,678,901 by rounding both numbers to easier numbers.

A) 6 billion

B) 5 billion

C) 7 billion

D) 4 billion

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