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Modular Arithmetic Practice

For each question, enter your answer in the box provided then click on CHECK button to find out if you were correct. Note that * means multiply and ^ means exponentiation. Your answer should be the least non-negative integer value.

QUESTION 1

$110 + 108 \pmod{20}$

QUESTION 2

$82 + 40 \pmod{32}$

QUESTION 3

$187 * 95 \pmod{4}$

QUESTION 4

$30 * 188 \pmod{17}$

QUESTION 5

$71^{119} \pmod{25}$

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Your answer should be the least non-negative integer value.

QUESTION 1

$$110 + 108 \pmod{20} \quad \boxed{18}$$

QUESTION 2

$$82 + 40 \pmod{32} \quad \boxed{26}$$

QUESTION 3

$$187 * 95 \pmod{4} \quad \boxed{1}$$

QUESTION 4

$$30 * 188 \pmod{17} \quad \boxed{13}$$

QUESTION 5

$$71^{119} \pmod{25} \quad \boxed{6}$$

[CHECK](#)