# Research Report

Final Report on the Number "132"

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### 1. Context and Clarification

The number "132" can have different meanings depending on context, such as:

- A reference to a standard or criterion number (e.g., Success Criterion 1.3.2 in Web Accessibility Guidelines).
- A code or identifier in technical, academic, or organizational contexts.
- An error or status code, though no specific common error code "132" is widely recognized.

Without additional context, its exact intended meaning is unclear. For precise interpretation, specifying the domain or use case is recommended.

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### 2. Mathematical Properties of 132

The number 132 is mathematically notable for several reasons:

- **Composite Number:** It is a composite (non-prime) number.

- **Factors:** The divisors of 132 are:
1, 2, 3, 4, 6, 11, 12, 22, 33, 44, 66, and 132. This demonstrates that 132 is a highly composite number with multiple factor pairs.

- **Prime Factorization:**
132 can be factored into prime numbers as follows:
$132 = 2^2 \times 3 \times 11$.

- **Oblong (Pronic) Number:**
It can be expressed as the product of two consecutive integers: $11 \times 12 = 132$. Oblong numbers represent rectangular patterns with sides differing by one.

- **Additional Notes:**
The sum of these consecutive integers is 23, which is itself a prime number.

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### 3. Broader References

- **Number Sequences:**
132 holds positions in various integer sequences and has mathematical significance beyond elementary factorization.

- **Library Science:**
While 132 alone is not a major Dewey Decimal class, numbers like it can form parts of call numbers used for categorizing books and resources.

- **Cultural, Historical, and Technical Fields:**
Based on available information, 132 does not have major cultural or historical significance or commonly recognized specialized usage.

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### Summary

The number 132 is primarily significant in mathematics as a composite, oblong number with diverse factors and a clear prime factorization. Its interpretation as a code or reference depends heavily on external context, which should be clarified for accurate meaning. Otherwise, 132 remains a mathematically interesting integer with applications in numbering systems and possibly technical classifications.

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If you provide further details about the domain or context in which "132" is used, a more focused explanation or assistance can be provided.