Converting Numbers to Strings Solutions

Round-trip Guarantee

- What is meant by the "round-trip guarantee" when converting between strings and numbers?
  - If we convert a number to a string with std::from_chars()
  - Then convert the result back to a number with std::to_chars()
  - This will always give the original number, as the same binary data
  - Provided the same implementation is used for both conversions

to_chars()

- Write a simple program which uses std::to_chars() to convert a number stored as an int to the same number stored in a character array

to_chars() Return Type

- Write a simple program which uses std::to_chars() to convert a number stored as a double to the same number stored in a character array

- Make sure your program can handle conversion errors

- Check your program works correctly when converting
  - A normal double value
  - A long double value which is too large to fit in the array