1. **Step-by-Step Process:**

**Step 1:** The user inputs the total amount of cement in tons to be transported.

**Step 2:** The program divides the total tons of cement by 10 (the capacity of a truck) to calculate how many trucks are needed.

**Step 3**: The program outputs the total number of trucks needed.

1. **Pseudocode:**

START

INPUT total\_tons

SET truck\_capacity = 10

num\_trucks = total\_tons / truck\_capacity

IF total\_tons MOD 10 != 0 THEN

num\_trucks = num\_trucks + 1

OUTPUT num\_trucks

END