



# Math Study Strategies

## Nursing Math

### IV Completion



When the R.N. came on duty in the morning, there were 350cc's left in Mr. Smith's IV bottle. At 12 noon Mr. Smith's IV was completed, and she hung a new 1000cc bottle. At 2pm, there were 880cc's left in Mr. Smith's I.V. bottle. How much IV fluid intake should the R.N. record for the duration of her shift?

#### **Step 1**

Mr. Smith's IV intake from the time the R.N. came on duty till noon was **380cc**.

#### **Step 2**

At noon, Mr. Smith's I.V. was 1000 cc. At 2pm, two hours later, the I.V. level had dropped to 880 cc. Therefore, the IV intake for the two hours was 120cc.

$$1000\text{cc} - 880\text{cc} = 120\text{cc}$$

#### **Step 3**

The **total** IV intake during the time the R.N. was on duty is the sum of the two values above. 380cc accounts for the intake from morning to noon, and 120cc from noon to 2pm. Add all intake values:

$$350 + 120 = 470\text{cc}$$

#### **Answer:**

The nurse should record 470cc IV intake for Mr. Smith.

**470cc**