

## CoT Example

### Eingabe

**Q:** Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?

**A:** Roger started with 5 tennis balls. 2 cans of 3 tennis balls each is 6 tennis balls.  $5 + 6 = 11$ . The answer is 11.

**Q:** The bakers at the Beverly Hills Bakery baked 200 loaves of bread on Monday morning. They sold 93 loaves in the morning and 39 loaves in the afternoon. A grocery store returned 6 unsold loaves. How many loaves of bread did they have left?

### Ausgabe

**A:** The bakers started with 200 loaves. They sold 93 in the morning and 39 in the afternoon. So they sold  $93 + 39 = 132$  loaves. The grocery store returned 6 loaves. So they had  $200 - 132 - 6 = 62$  loaves left. The answer is 62.

## PAL Example

### Eingabe

**Q:** Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?

**A:**

```
# Roger started with 5 tennis balls.
tennis_balls = 5
# 2 cans of 3 tennis balls each is
bought_balls = 2 * 3
# tennis balls. The answer is
answer = tennis_balls + bought_balls
```

**Q:** The bakers at the Beverly Hills Bakery baked 200 loaves of bread on Monday morning. They sold 93 loaves in the morning and 39 loaves in the afternoon. A grocery store returned 6 unsold loaves. How many loaves of bread did they have left?

### Ausgabe

```
A: # The bakers started with 200
# loaves

loaves_baked = 200
# They sold 93 in the morning
# and 39 in the afternoon
loaves_sold_morning = 93
loaves_sold_afternoon = 39
# The grocery store returned
# 6 loaves.
loaves_returned = 6
# The answer is
answer = (
    loaves_baked
    - loaves_sold_morning
    - loaves_sold_afternoon
    + loaves_returned

print(answer) # -> 74
```

When the script is executed 74 is printed.

## ChatGPT 4 Example

### Eingabe

**Q:** The bakers at the Beverly Hills Bakery baked 200 loaves of bread on Monday morning. They sold 93 loaves in the morning and 39 loaves in the afternoon. A grocery store returned 6 unsold loaves. How many loaves of bread did they have left?

### Ausgabe

**A:** The Beverly Hills Bakery had 74 loaves of bread left after their sales and the return of unsold loaves.

**Internal executed Analysis:**

```
# Number of loaves baked
loaves_baked = 200
# Number of loaves sold in the
# morning and afternoon
loaves_sold_morning = 93
loaves_sold_afternoon = 39
# Number of loaves returned
# from the grocery store
loaves_returned = 6
# Calculating the remaining loaves
remaining_loaves = (
    loaves_baked
    - (
        loaves_sold_morning
        + loaves_sold_afternoon
    )
    + loaves_returned
remaining_loaves
```