

Solve each problem using a tape diagram.

Answers

- 1) A store sold 47 C batteries in a day. They sold 6 as many AAA batteries as C batteries and 5 times as many AA as AAA batteries. How many batteries did they sell total?
- 2) Chef Luke buys 28 carrots. He buys 3 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?
- 3) In one day a restaurant used 24 knives. They also used 6 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?
- 4) In one day a restaurant used 18 knives. They also used 4 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?
- 5) Chef George buys 25 carrots. He buys 7 times as many potatoes as carrots and 6 times as many tomatoes as potatoes. How many vegetables did he buy all together?

1. _____

2. _____

3.

4.

5.

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Answers

- 1) A store sold 47 C batteries in a day. They sold 6 as many AAA batteries as C batteries and 5 times as many AA as AAA batteries. How many batteries did they sell total?

Diagram illustrating the structure of a 47-bit register:

- C (Control):** 4 bits (bits 43-47)
- AAA (Address):** 5 bits (bits 38-42)
- AA (Data):** 38 bits (bits 0-37)

1. **1739**

2. **364**

3. **456**

4. **306**

5. **1250**

- 2) Chef Luke buys 28 carrots. He buys 3 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	28								
Potatoes									
Tomatoes									

- 3) In one day a restaurant used 24 knives. They also used 6 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?

[illegible]

- 4) In one day a restaurant used 18 knives. They also used 4 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?

[illegible]

- 5) Chef George buys 25 carrots. He buys 7 times as many potatoes as carrots and 6 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Vegetable	Count
Carrots	25
Potatoes	10
Tomatoes	50