



Solve each problem using a tape diagram.

Answers

- 1) In one day a restaurant used 18 knives. They also used 3 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?
- 2) A store sold 35 C batteries in a day. They sold 5 as many AAA batteries as C batteries and 6 times as many AA as AAA batteries. How many batteries did they sell total?
- 3) On week 1 a football player jogged for 46 minutes. On week 2 he jogged for 3 times as long. On week 3 he jogged for 2 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?
- 4) An ice cream shop sold 10 waffle cones. They sold 2 times as many sugar cones as waffle cones and 3 times as many wafer cones as sugar cones. How many cones did they sell total?
- 5) Chef Adam buys 32 carrots. He buys 9 times as many potatoes as carrots and 7 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) In one day a restaurant used 18 knives. They also used 3 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?

knives	<input type="text" value="18"/>								
forks	<input type="text"/>	<input type="text"/>	<input type="text"/>						
spoons	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

1. **234**2. **1260**3. **460**4. **90**5. **2336**

- 2) A store sold 35 C batteries in a day. They sold 5 as many AAA batteries as C batteries and 6 times as many AA as AAA batteries. How many batteries did they sell total?

C	<input type="text" value="35"/>																		
AAA	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>														
AA	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 3) On week 1 a football player jogged for 46 minutes. On week 2 he jogged for 3 times as long. On week 3 he jogged for 2 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1	<input type="text" value="46"/>																		
Week 2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>															
Week 3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 4) An ice cream shop sold 10 waffle cones. They sold 2 times as many sugar cones as waffle cones and 3 times as many wafer cones as sugar cones. How many cones did they sell total?

Waffle	<input type="text" value="10"/>																		
Sugar	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>															
Wafer	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 5) Chef Adam buys 32 carrots. He buys 9 times as many potatoes as carrots and 7 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	<input type="text" value="32"/>																		
Potatoes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tomatoes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>