





Solve each problem using a tape diagram.

- 1) An ice cream shop sold 17 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="17"/>	
Sugar	<input type="text"/>	<input type="text"/>
Wafer	<input type="text"/>	<input type="text"/>

- 2) A store sold 26 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 8 times as many AA as AAA batteries. How many batteries did they sell total?

C	<input type="text" value="26"/>	
AAA	<input type="text"/>	<input type="text"/>
AA	<input type="text"/>	<input type="text"/>

- 3) A school principal was looking over grades. In math 27 students scored a C. 2 times as many students scored a B. And 5 times as many students scored an A as scored a B. How many students scored an A, B or C?

C	<input type="text" value="27"/>	
B	<input type="text"/>	<input type="text"/>
A	<input type="text"/>	<input type="text"/>

- 4) Chef Roger buys 14 carrots. He buys 4 times as many potatoes as carrots and 5 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	<input type="text" value="14"/>	
Potatoes	<input type="text"/>	<input type="text"/>
Tomatoes	<input type="text"/>	<input type="text"/>

- 5) In one day a restaurant used 46 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="46"/>	
forks	<input type="text"/>	<input type="text"/>
spoons	<input type="text"/>	<input type="text"/>

Answers

1. **153**
2. **728**
3. **351**
4. **350**
5. **598**