



Solve each problem using a tape diagram.

**Answers**

- 1) A school principal was looking over grades. In math 29 students scored a C. 4 times as many students scored a B. And 3 times as many students scored an A as scored a B. How many students scored an A, B or C?
- 2) On week 1 a football player jogged for 40 minutes. On week 2 he jogged for 4 times as long. On week 3 he jogged for 4 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?
- 3) In one day a restaurant used 16 knives. They also used 4 as many forks as they used knives. And 9 times as many spoons as forks. How many utensils do they use in a day?
- 4) In one day a restaurant used 36 knives. They also used 3 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?
- 5) A store sold 46 C batteries in a day. They sold 4 as many AAA batteries as C batteries and 2 times as many AA as AAA batteries. How many batteries did they sell total?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_



Solve each problem using a tape diagram.

- 1) A school principal was looking over grades. In math 29 students scored a C. 4 times as many students scored a B. And 3 times as many students scored an A as scored a B. How many students scored an A, B or C?

C 

|    |
|----|
| 29 |
|----|

B 

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A 

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- 2) On week 1 a football player jogged for 40 minutes. On week 2 he jogged for 4 times as long. On week 3 he jogged for 4 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1 

|    |
|----|
| 40 |
|----|

Week 2 

|  |  |  |  |
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Week 3 

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- 3) In one day a restaurant used 16 knives. They also used 4 as many forks as they used knives. And 9 times as many spoons as forks. How many utensils do they use in a day?

knives 

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| 16 |
|----|

forks 

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spoons 

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- 4) In one day a restaurant used 36 knives. They also used 3 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?

knives 

|    |
|----|
| 36 |
|----|

forks 

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|--|--|--|
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spoons 

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- 5) A store sold 46 C batteries in a day. They sold 4 as many AAA batteries as C batteries and 2 times as many AA as AAA batteries. How many batteries did they sell total?

C 

|    |
|----|
| 46 |
|----|

AAA 

|  |  |  |  |
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|  |  |  |  |
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AA 

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**Answers**

1. **493**
2. **840**
3. **656**
4. **360**
5. **598**