Solve each problem using a tape diagram.

1) A school principal was looking over grades. In math 34 students scored a C. 4 times as many students scored a B. And 2 times as many students scored an A as scored a B. How many students scored an A, B or C?

1. _____

2. _____

3. _____

4. _____

2) On week 1 a football player jogged for 24 minutes. On week 2 he jogged for 4 times as long. On week 3 he jogged for 8 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

5. _____

3) A store sold 44 C batteries in a day. They sold 8 as many AAA batteries as C batteries and 8 times as many AA as AAA batteries. How many batteries did they sell total?

4) In one day a restaurant used 39 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) In one day a restaurant used 16 knives. They also used 2 as many forks as they used knives. And 9 times as many spoons as forks. How many utensils do they use in a day?

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1) A school principal was looking over grades. In math 34 students scored a C. 4 times as many students scored a B. And 2 times as many students scored an A as scored a B. How many students scored an A, B or C?

C | 34 |

B | | | | |

A | | | | | | | | |

2) On week 1 a football player jogged for 24 minutes. On week 2 he jogged for 4 times as long. On week 3 he jogged for 8 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1 24

Week 2 |||||

Week 3 |||||||||||||||||||||||||||||||||

3) A store sold 44 C batteries in a day. They sold 8 as many AAA batteries as C batteries and 8 times as many AA as AAA batteries. How many batteries did they sell total?

C 44

AAA ||||||||

AA |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

4) In one day a restaurant used 39 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?

knives | 39 |

forks | | | | |

spoons | | | | | | | | | | | | |

5) In one day a restaurant used 16 knives. They also used 2 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 16

forks | | |

spoons | | | | | | | | | | | | | | | | | | |

Answers

1. **442**

2. **888**

3. **3212**

4. **663**

5. **336**