Solve each problem using a tape diagram.

1) A store sold 50 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 3 times as many AA as AAA batteries. How many batteries did they sell total?

1. _____

2. _____

3. _____

4. _____

2) An ice cream shop sold 37 waffle cones. They sold 8 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. _____

3) A school principal was looking over grades. In math 22 students scored a C. 3 times as many students scored a B. And 6 times as many students scored an A as scored a B. How many students scored an A, B or C?

4) On week 1 a football player jogged for 29 minutes. On week 2 he jogged for 2 times as long. On week 3 he jogged for 5 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

5) An ice cream shop sold 41 waffle cones. They sold 2 times as many sugar cones as waffle cones and 2 times as many wafer cones as sugar cones. How many cones did they sell total?

Solve each problem using a tape diagram.

Answers

1. **650**
2. **1221**
3. **484**
4. **377**
5. **287**

1) A store sold 50 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 3 times as many AA as AAA batteries. How many batteries did they sell total?

C | 50
AAA | [ ][ ][ ]
AA | [ ][ ][ ][ ][ ][ ][ ][ ][ ]

2) An ice cream shop sold 37 waffle cones. They sold 8 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 | 37
Sugar | [ ][ ][ ][ ][ ][ ][ ][ ]
Wafer | [ ]

3) A school principal was looking over grades. In math 22 students scored a C. 3 times as many students scored a B. And 6 times as many students scored an A as scored a B. How many students scored an A, B or C?

C | 22
B | [ ][ ][ ]
A | [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

4) On week 1 a football player jogged for 29 minutes. On week 2 he jogged for 2 times as long. On week 3 he jogged for 5 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1 | 29
Week 2 | [ ][ ]
Week 3 | [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

5) An ice cream shop sold 41 waffle cones. They sold 2 times as many sugar cones as waffle cones and 2 times as many wafer cones as sugar cones. How many cones did they sell total?

Waffle | 41
Sugar | [ ][ ]
Wafer | [ ][ ][ ][ ]

1-5 | 80 | 60 | 40 | 20 | 0