Multiplication With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) On week 1 a football player jogged for 15 minutes. On week 2 he jogged for 8 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?

2) A school principal was looking over grades. In math 22 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?

3) An ice cream shop sold 15 waffle cones. They sold 3 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?

4) An ice cream shop sold 17 waffle cones. They sold 5 times as many sugar cones as waffle cones and 8 times as many wafer cones as sugar cones. How many cones did they sell total?

5) A store sold 48 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?

Math

Name: **Answer Key**

Solve each problem using a tape diagram.

Answers

1) On week 1 a football player jogged for 15 minutes. On week 2 he jogged for 8 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 15

Week 2

Week 3

1. ___**615**___

2. ___**286**___

2) A school principal was looking over grades. In math 22 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 22

B

A

3. ___**195**___

4. ___**782**___

5. ___**624**___

3) An ice cream shop sold 15 waffle cones. They sold 3 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 15

Sugar

Wafer

4) An ice cream shop sold 17 waffle cones. They sold 5 times as many sugar cones as waffle cones and 8 times as many wafer cones as sugar cones. How many cones did they sell total?

Waffle 17

Sugar

Wafer

5) A store sold 48 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 48

AAA

AA

Math

www.CommonCoreSheets.com

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