CPM Answers: 1.11-1.15

* **1-11. See below:**
  1. *P* = 20.5 in.,  *A* = 15 in.2
  2. *P* = 61.4 cm,  *A* = 210 cm2
  3. *P* = 22 yds,  *A* = 21 yds2
* **1-12. See below:**
  1. Responses vary.
  2. Responses vary.
* **1-13. See below:**
  1. Answers vary: Event 2
  2. Answers vary: Event 2, especially if students attend an event such as a class picnic, in which students eat together.
* **1-14.  See solution number line below:**
* **http://textbooks.cpm.org/images/answers/cc2/chap01/cc2_ch1_1.1.1._1-14.png**
* **1-15. See below:**
  + 3
  + Students might say they guessed and checked or they worked backwards by subtracting and dividing.

Answers: 1.18-1.22

* **1-18.**  7
* **1-19. See below:**
  1. 79
  2. 1.5
  3. 23
* **1-20. See below:**
  1. 30 feet. 150 feet. 450 feet
  2. 50 stories
* **1-21.** http://textbooks.cpm.org/images/cc2/common/3-4.gifis equivalent to http://textbooks.cpm.org/images/cc2/common/12-16.gif, so it is greater than http://textbooks.cpm.org/images/cc2/common/11-16.gif.
* **1-22.  See below:**
  1. *P* = 18 units,  *A*= 9 units2
  2. *P* = 24 ft,  *A* = 28 ft2
  3. *P* = 46 cm, *A* = 120 cm2