

Grades 6-8, Claim 2

**Example Item 2A.3d (Grade 8):**

Primary Target 2A (Content Domain F), Secondary Target 1E (CCSS 8.F.A), Tertiary Target 2D

Helga wants to have a lot of helium-filled balloons at her party.

- The helium tank costs \$58 to rent.
- Balloons cost \$0.29 each.
- She wants to have 5 helium-filled balloons for each party guest.

Enter an equation that represents the total cost,  $C$ , in dollars of the helium-filled balloons for  $n$  party guests.

**Rubric:** (1 point) The student enters a correct equation in the response box (e.g.,  $C=58+1.45n$ ).

**Response Type:** Equation/Numeric

**Task Model 2A.4**

**Expectations:**

- The student solves a problem related to the Pythagorean Theorem or volumes of cylinders, cones, and spheres.
- The task should require more than a routine application of the Pythagorean Theorem or a volume formula.

**Example Item 2A.4a (Grade 8):**

Primary Target 2A (Content Domain G), Secondary Target 1H (CCSS 8.G.B), Tertiary Target 2D

Two sides of a right triangle have lengths  $\sqrt{10}$  centimeters and  $\sqrt{6}$  centimeters. There are two possible lengths for the third side.

Enter the **longest** possible side length, in centimeters, for the third side of this triangle.

**Rubric:** (1 point) The student enters the correct length in the response box (e.g., 4).

**Response Type:** Equation/Numeric