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| **PROBLEM** | **WORK** |
| 1. Tara made a rectangular fence around her rose so it would not get hurt by her dog. She put a fence around the rose that was 4 ft long, 2 ft wide, and 3 ft high. How much material did she use to make her fence? |  |
| 2. A library has an aquarium in the shape of a rectangular prism. The base is 6 ft by 2.5 ft. The height is 4 ft. How many square feet of glass was used to build the aquarium? |  |
| 3. You are painting a room that is 18 ft long, 14 ft wide and 8 ft high. Find the area of the four walls that you are going to paint. |  |
| 4. If the paint costs $6.50 a gallon and each gallon covers 128 ft2 of wall, how much will it cost to paint the room? |  |
| 5. Greta opens and lays a shoe box out flat. She sees that the top and the bottom of the box both measure 10 inches by 6 inches, the sides of the box both measure 10 inches by 2 inches, and the front and back of the box both measure 6 inches by 2 inches. What is the surface area of the shoe box? |  |

DIRECTIONS: Underline the important information. Draw a figure, label the figure and solve the problem.