Ker

Key Concepts: Surface Area of Rectangular Prism

$$SA = 2lh + 2lw + 2hw$$

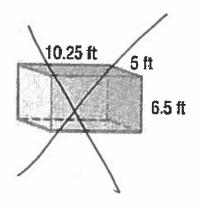
The surface area of a prism is the <u>SUM</u> of the areas of its faces. \*HINT: Find the area of each side, and then add them all up together.

## Step:

- 1. Write the formula.
- 2. Fill in the number.
- 3. Answer.

## **Guided Practice:**

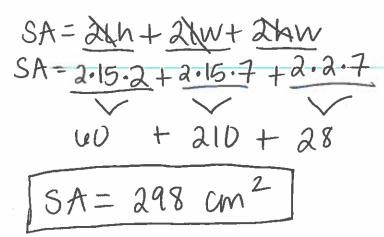
Find the surface area of each rectangular prism.



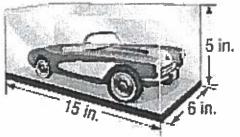
10.3 Surface Area of Rectangular Prisms (6.G.4)

1=15 W=7 h=2





L=15 W=6 N=5



Tomas keeps his die cast car in a glass display case as shown. What is the surface area of the glass, including the bottom?

$$SA = 21h + 21w + 2hw$$
  
 $SA = 2.15.5 + 2.15.6 + 2.6.6$   
 $150 + 180 + 60$ 

SA= 390 in2 Partner Talk

Find the surface area of a rectangle prism that has a length of 3 cm, a width of 5 cm, and a

height of 4 cm. SA = 21/n + 2/w + 2/m SA = 2.3.4 + 2.3.5 + 2.4.5 24 + 30 + 40

Building on the Essential Question — What is the relationship between area and surface area?

Surtace area is the area of all the surfaces (faces) of a 3D figure.

Rate Yourself - Are you ready to move on? Shade the section that applies.

