Surface Area of Prisms and Pyramids

You can use formulas to find the surface area of different solid figures. You can draw nets to help.

Rectangular Prism

Name



$$SA = 2\ell w + 2\ell h + 2wh$$

= 2 (5 × 7) + 2 (5 × 3) + 2 (7 × 3)
= 70 + 30 + 42
= 142

Triangular Prism



The surface area is 142 in².

Find the surface area of each figure.





Find the surface area of each rectangular prism.

- **3.** $\ell = 5.5$ cm, w = 4.5 cm, h = 3.5 cm
- **4.** $\ell = 15$ in., w = 9 in., h = 3.8 in.
- **5.** ℓ = 2 yd, w = 6 yd, h = 1.7 yd
- **6. Reasoning** Write the dimensions of two different rectangular prisms that have the same surface area.



Surface Area of Prisms and Pyramids

Find the surface area of each figure. You can draw nets to help.

