What are the areas of all the faces of the figure at the right?

Understand

1. What are you being asked to do?

2. How many rectangular faces are there?

3. How many triangular faces are there?

Plan and Carry Out

4. What is the formula for the area of a rectangle?

5. What is the formula for the area of a triangle?

6. What are the dimensions of the triangular faces?

7. What is the area of one triangular face?

8. What is the area of all the triangular faces?

9. What are the dimensions of each rectangular face?

10. What is the area of each rectangular face?

11. Find the total area of the base and faces of the figure.

Check

12. Did you find the area of each face? How many faces are there?

Solve Another Problem

13. A rectangular solid has a base 11 in., height 15 in., and a length of 6 in. Find the total area of all faces.