# Surface Area vs. Volume

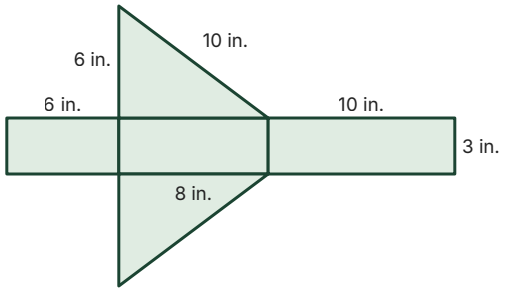
Geometry & Shapes

Name: _____ Date: _____ Grade 6

**1. What shapes are the faces of a square prism? Explain your thinking.**

**Problems 2–3: Here is a net. The triangles are right triangles.**

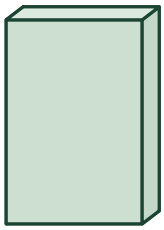
**2. What three-dimensional figure can you create from this net?** _____




**3. What is the surface area of this figure? Show your thinking.**

**Problems 4–5: A cereal box is 8 inches wide, 2 inches deep, and 12 inches tall.**

**4. Estimate how much cardboard is needed to make the box. Explain your thinking.**



**5. How much cereal can the box hold? Explain your thinking.**

**Problems 6–7: A closed wooden storage chest is 6 feet long, 3 feet wide, and 2.5 feet tall.**



**6. Draw a net of the storage chest. Label the lengths.**

**7. Determine the surface area of the storage chest. Show your thinking.**