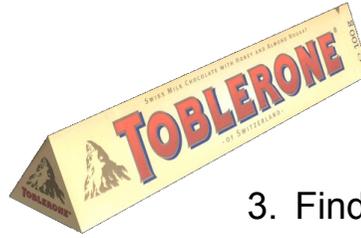


# Practical Surface Area: Design a Toblerone Box



You are to **design and build** a box to hold a mini toblerone. Your box should be a **triangular prism**.

1. Draw a sketch of the box you design, showing all dimensions.

2. On the **cardboard**, draw an accurate net of the box.

3. Find the area of:  
a. the front and back triangular faces

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b. the two slanted rectangular faces

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c. the bottom face

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4. Find the total surface area of the solid.

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5. If it costs \$0.01 for every  $1\text{cm}^2$  to manufacture the packaging. How much will it cost to manufacture your box?

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