Surface Area of Triangular Prisms   Tier A

Words

Model

The surface area of the triangular prism is the
___sum___ of the areas of the __2__ triangular
bases and the __3__ rectangular faces.

Step 1 Find the area of the triangle (Remember there are 2!)

Step 2 Find the area of the 3 rectangle faces

Step 3: Add up all __5__ parts
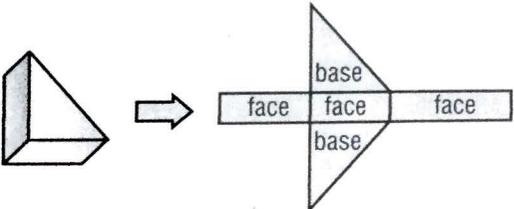
Find the surface area of the triangular prism.

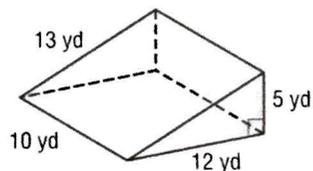To find the surface area of the triangular prism, find the **area** of each face and add.

①
Triangle	Triangle	Face 1	Face 2	Face 3	Sum
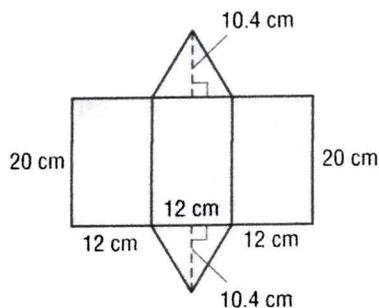
Find the surface area of the triangular prism.

Find the area of each face and add. **For this prism, each rectangular face has a different area.**
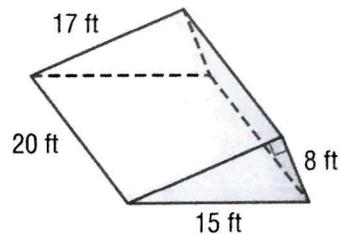
②
Triangle	Triangle	Face 1	Face 2	Face 3	Sum

Exercises

Find the surface area of each triangular prism.

③

Triangle	Triangle	Face 1	Face 2	Face 3	Sum

17 ft

20 ft

8 ft

15 ft

④

Triangle	Triangle	Face 1	Face 2	Face 3	Sum

2 m

9 m

1.7 m   2 m   2 m

⑤

Triangle	Triangle	Face 1	Face 2	Face 3	Sum

5 in.

4.3 in.

5 in.

12 in.

5 in.