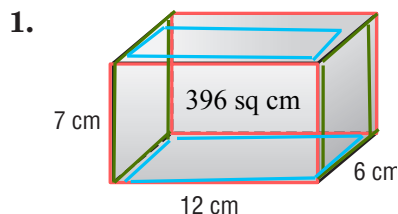


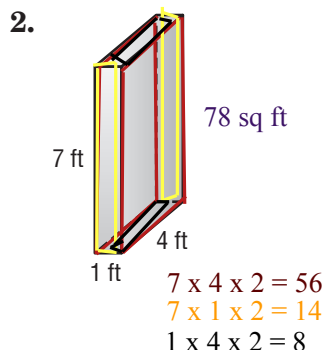
Lesson 6 Skills Practice

Surface Area of Prisms

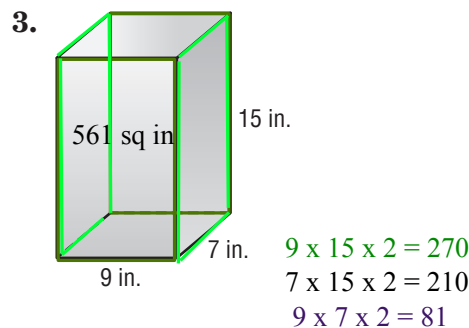
Find the surface area of each prism. Round to the nearest tenth if necessary.



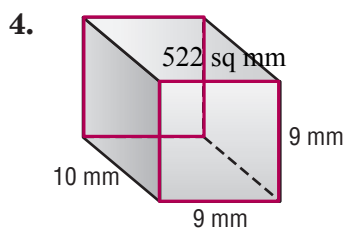
$$\begin{aligned} 12 \times 7 \times 2 &= 168 \\ 7 \times 6 \times 2 &= 84 \\ 12 \times 6 \times 2 &= 144 \end{aligned}$$



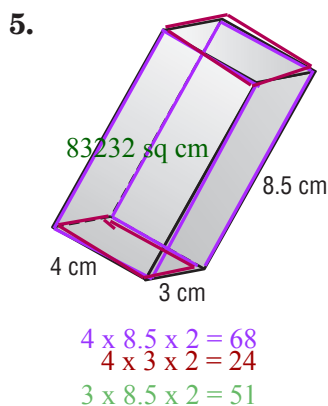
$$\begin{aligned} 7 \times 4 \times 2 &= 56 \\ 7 \times 1 \times 2 &= 14 \\ 1 \times 4 \times 2 &= 8 \end{aligned}$$



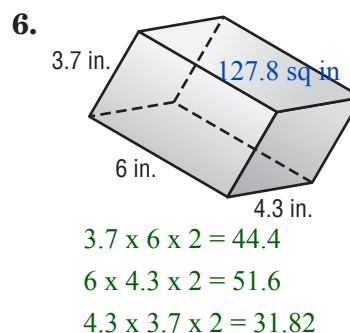
$$\begin{aligned} 9 \times 15 \times 2 &= 270 \\ 7 \times 15 \times 2 &= 210 \\ 9 \times 7 \times 2 &= 81 \end{aligned}$$



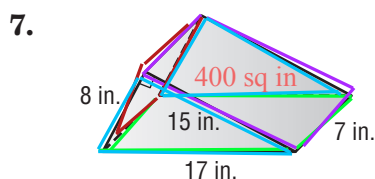
$$\begin{aligned} 9 \times 9 \times 2 &= 162 \\ 10 \times 9 \times 2 &= 360 \end{aligned}$$



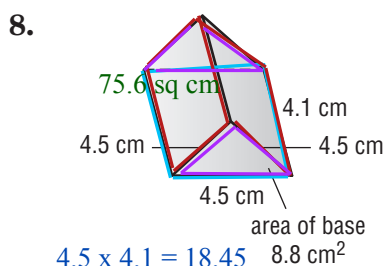
$$\begin{aligned} 4 \times 8.5 \times 2 &= 68 \\ 4 \times 3 \times 2 &= 24 \\ 3 \times 8.5 \times 2 &= 51 \end{aligned}$$



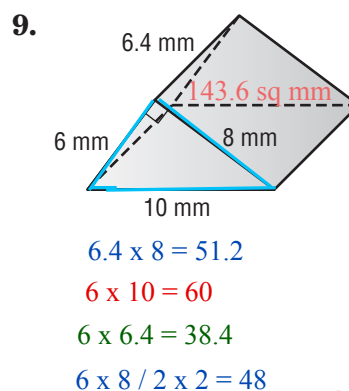
$$\begin{aligned} 3.7 \times 6 \times 2 &= 44.4 \\ 6 \times 4.3 \times 2 &= 51.6 \\ 4.3 \times 3.7 \times 2 &= 31.82 \end{aligned}$$



$$\begin{aligned} 17 \times 7 &= 119 \\ 7 \times 15 &= 105 \\ 7 \times 8 &= 56 \\ 8 \times 15 / 2 \times 2 &= 120 \end{aligned}$$



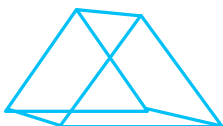
$$\begin{aligned} 4.5 \times 4.1 &= 18.45 \\ 4.5 \times 4.1 \times 2 &= 36.9 \\ 4.5 \times 4.5 / 2 \times 2 &= 20.25 \end{aligned}$$



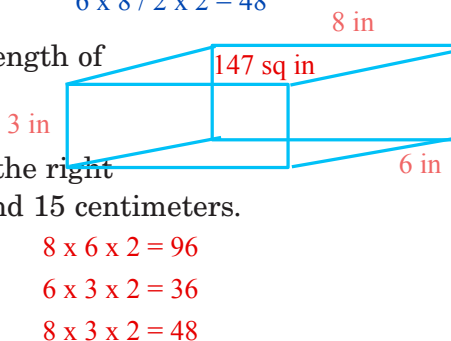
$$\begin{aligned} 6.4 \times 8 &= 51.2 \\ 6 \times 10 &= 60 \\ 6 \times 6.4 &= 38.4 \\ 6 \times 8 / 2 \times 2 &= 48 \end{aligned}$$

10. Find the surface area of a rectangular prism that has a length of 8 inches, a width of 3 inches, and a height of 6 inches.

11. Find the surface area of a triangular prism. The sides of the right triangular base measure 9 centimeters, 12 centimeters and 15 centimeters. The height of the prism is 20 centimeters.



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$$\begin{aligned} 8 \times 6 \times 2 &= 96 \\ 6 \times 3 \times 2 &= 36 \\ 8 \times 3 \times 2 &= 48 \end{aligned}$$