## Rectangular Prisms (C)

Instructions: Find the volume and surface area of the rectangular prisms.


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## Rectangular Prisms (C) Answers

Instructions: Find the volume and surface area of the rectangular prisms.


$$
\begin{aligned}
\mathrm{L} & =12 \mathrm{~cm} \\
\mathrm{~W} & =15 \mathrm{~cm} \\
\mathrm{H} & =11 \mathrm{~cm} \\
\mathrm{SA} & =(12 \times 15 \times 2)+(15 \times 11 \times 2)+(12 \times 11 \times 2) \\
\mathrm{SA} & =954 \mathrm{~cm}^{2} \\
\mathrm{~V} & =12 \times 15 \times 11 \\
\mathrm{~V} & =1980 \mathrm{~cm}^{3}
\end{aligned}
$$

$$
\begin{aligned}
\mathrm{L} & =12 \mathrm{~cm} \\
\mathrm{~W} & =14 \mathrm{~cm} \\
\mathrm{H} & =10 \mathrm{~cm} \\
\mathrm{SA} & =(12 \times 14 \times 2)+(14 \times 10 \times 2)+(12 \times 10 \times 2) \\
\mathrm{SA} & =856 \mathrm{~cm}^{2} \\
\mathrm{~V} & =12 \times 14 \times 10 \\
\mathrm{~V} & =1680 \mathrm{~cm}^{3}
\end{aligned}
$$



$$
\begin{aligned}
\mathrm{L} & =6 \mathrm{~cm} \\
\mathrm{~W} & =5 \mathrm{~cm} \\
\mathrm{H} & =8 \mathrm{~cm} \\
\mathrm{SA} & =(6 \times 5 \times 2)+(5 \times 8 \times 2)+(6 \times 8 \times 2) \\
\mathrm{SA} & =236 \mathrm{~cm}^{2} \\
\mathrm{~V} & =6 \times 5 \times 8 \\
\mathrm{~V} & =240 \mathrm{~cm}^{3}
\end{aligned}
$$

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