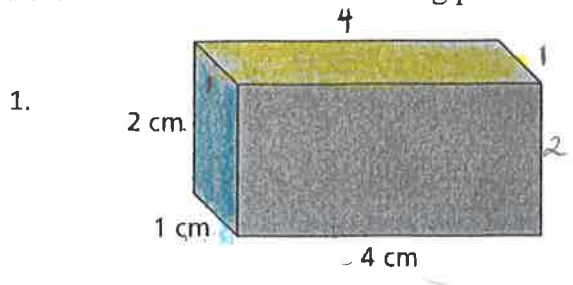


Name: Key

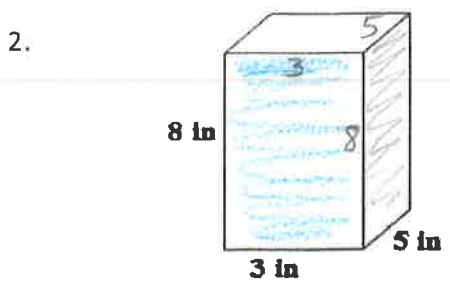
Date: _____ Period: _____

Finding Surface Area of Rectangular Prisms

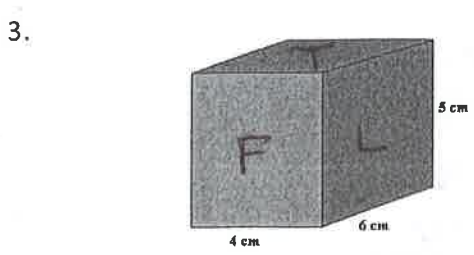
Find the surface area of the following prisms. Be sure to show all steps and work to support your final answers.



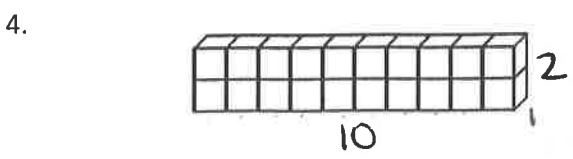
$$\begin{array}{r} T \quad 4 \cdot 1 = 4 \\ B \quad 4 \cdot 1 = 4 \\ \hline F \quad 2 \cdot 4 = 8 \\ BK \quad \quad = 8 \\ \hline L \quad 2 \cdot 1 = 2 \\ R \quad \quad = 2 \\ \hline \quad \quad \quad = 2 / 28 \text{ cm}^2 \end{array}$$



$$\begin{array}{r} T \quad 3 \cdot 5 = 15 \\ B \quad \quad = 15 \\ \hline F \quad 3 \cdot 8 = 24 \\ BK \quad \quad = 24 \\ \hline L \quad 8 \cdot 5 = 40 \\ R \quad \quad = 40 \\ \hline \quad \quad \quad = 40 / 158 \text{ in}^2 \end{array}$$



$$\begin{array}{r} T \quad 4 \cdot 6 = 24 \\ B \quad \quad = 24 \\ \hline F \quad 4 \cdot 5 = 20 \\ BK \quad \quad = 20 \\ \hline L \quad 6 \cdot 5 = 30 \\ R \quad \quad = 30 \\ \hline \quad \quad \quad = 30 / 148 \text{ cm}^2 \end{array}$$

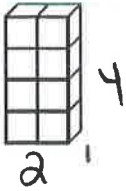


$$\begin{array}{r} T \quad 10 \cdot 1 = 10 \\ B \quad \quad = 10 \\ \hline F \quad 10 \cdot 2 = 20 \\ BK \quad \quad = 20 \\ \hline L \quad 1 \cdot 2 = 2 \\ R \quad \quad = 2 \\ \hline \quad \quad \quad = 2 / 64 \text{ units}^2 \end{array}$$

Name: _____

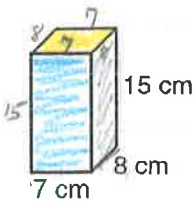
Date: _____ Period: _____

5.



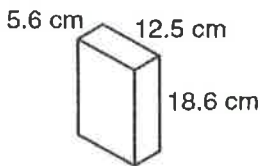
$$\begin{array}{r}
 T \quad 2 \cdot 2 = 4 \\
 B \quad \quad = 4 \\
 \hline
 F \quad 2 \cdot 4 = 8 \\
 Bk \quad \quad = 8 \\
 \hline
 L \quad 1 \cdot 4 = 4 \\
 R \quad \quad = 4 \\
 \hline
 28 \text{ units}^2
 \end{array}$$

6.



$$\begin{array}{r}
 T \quad 7 \cdot 8 = 56 \\
 B \quad \quad = 56 \\
 \hline
 F \quad 7 \cdot 15 = 105 \\
 Bk \quad \quad = 105 \\
 \hline
 L \quad 8 \cdot 15 = 120 \\
 R \quad \quad = 120 \\
 \hline
 562 \text{ cm}^2
 \end{array}$$

7.



$$\begin{array}{r}
 T \quad 5.6 \cdot 12.5 = 70 \\
 B \quad \quad = 70 \\
 \hline
 F \quad 18.6 \cdot 12.5 = 232.5 \\
 Bk \quad \quad = 232.5 \\
 \hline
 L \quad 18.6 \cdot 5.6 = 104.16 \\
 R \quad \quad = 104.16 \\
 \hline
 813.32 \text{ cm}^2
 \end{array}$$

8.



$$\begin{array}{r}
 T \quad 12 \cdot 12 = 144 \\
 B \quad \quad = 144 \\
 \hline
 F \quad 12 \cdot 12 = 144 \\
 Bk \quad \quad = 144 \\
 \hline
 L \quad 12 \cdot 12 = 144 \\
 R \quad \quad = 144 \\
 \hline
 864 \text{ cm}^2
 \end{array}$$