

Surface Area of Rectangular Prisms

- Place the measurements on the net.
- Find the area of each face. $A = L \times W$. Put the area inside each face.
- Add up all of the areas.
- Don't forget the units. (units²)

③

19m
12m
30m

1 = 19 × 12 = 228
2 = 12 × 30 = 360
3 = 19 × 30 = 570

SA = 2,316 m²

①

14cm
14cm
14cm

1 = 14 × 14 = 196
2 = 14 × 14 = 196
3 = 14 × 14 = 196

SA = 1,176 cm²

④

16cm
17cm
5cm

1 = 16 × 17 = 272
2 = 17 × 5 = 85
3 = 16 × 5 = 80

SA = 874 cm²

②

16in
6in
12in

1 = 16 × 12 = 192
2 = 12 × 6 = 72
3 = 16 × 6 = 96

SA = 720 in²

⑤

12in
24in
6in

1 = 12 × 24 = 288
2 = 24 × 6 = 144
3 = 12 × 6 = 72

SA = 1,008 in²

⑩

$l = 26$
 $2 = 9$
 $3 = 7$

$$\begin{array}{r} 26 \\ \cdot 9 \\ \hline 234 \\ \cdot 2 \\ \hline 468 \end{array}$$

$$\begin{array}{r} 468 \\ 364 \\ + 126 \\ \hline 958 \end{array}$$

SA = 958 m²

⑨

$l = 26$
 $2 = 9$
 $3 = 13$

$$\begin{array}{r} 26 \\ \cdot 9 \\ \hline 234 \\ \cdot 2 \\ \hline 468 \end{array}$$

$$\begin{array}{r} 468 \\ 676 \\ + 234 \\ \hline 1378 \end{array}$$

SA = 1378 in²

⑧

$l = 35$
 $2 = 20$
 $3 = 14$

$$\begin{array}{r} 35 \\ \cdot 20 \\ \hline 700 \\ \cdot 2 \\ \hline 1400 \end{array}$$

$$\begin{array}{r} 1400 \\ 980 \\ + 560 \\ \hline 2940 \end{array}$$

SA = 2,940 m²

⑩

$l = 17$
 $2 = 15$
 $3 = 8$

$$\begin{array}{r} 17 \\ \cdot 15 \\ \hline 85 \\ + 70 \\ \hline 255 \\ \cdot 2 \\ \hline 510 \end{array}$$

$$\begin{array}{r} 510 \\ 272 \\ + 240 \\ \hline 1022 \end{array}$$

SA = 1022 cm²

⑧

$l = 31$
 $2 = 17$
 $3 = 14$

$$\begin{array}{r} 31 \\ \cdot 17 \\ \hline 217 \\ + 310 \\ \hline 527 \\ \cdot 2 \\ \hline 1054 \end{array}$$

$$\begin{array}{r} 1054 \\ 868 \\ + 476 \\ \hline 2398 \end{array}$$

SA = 2,398 in²

⑩

$l = 21$
 $2 = 11$
 $3 = 12$

$$\begin{array}{r} 21 \\ \cdot 11 \\ \hline 210 \\ + 231 \\ \hline 441 \\ \cdot 2 \\ \hline 882 \end{array}$$

$$\begin{array}{r} 882 \\ 462 \\ + 264 \\ \hline 1230 \end{array}$$

SA = 1230 m²