

Name: _____

Date: _____

Surface Area of Rectangular Prisms Maze Work Space

Show all work for each problem!

1 $\begin{aligned} 2(4 \times 2) + 2(2 \times 6) + \\ 2(4 \times 6) = \\ 16 + 24 + 48 = \\ \boxed{88 \text{ m}^2} \end{aligned}$	2 $\begin{aligned} 2(2 \times 3) + 2(3 \times 4) + \\ 2(2 \times 4) = \\ 12 + 24 + 16 = \\ \boxed{52 \text{ m}^2} \end{aligned}$	3 $\begin{aligned} 2(6 \times 5) + 2(5 \times 20) + \\ 2(6 \times 20) = \\ 60 + 200 + 240 = \\ \boxed{500 \text{ m}^2} \end{aligned}$	4 $\begin{aligned} 2(7 \times 7) + 2(7 \times 15) + \\ 2(7 \times 15) = \\ 98 + 420 = \\ \boxed{518 \text{ m}^2} \end{aligned}$
5 $\begin{aligned} 2(2 \times 2) + 2(2 \times 7) + \\ 2(2 \times 7) = \\ 8 + 56 = \boxed{64 \text{ m}^2} \end{aligned}$	6 $\begin{aligned} 6(5 \times 5) = \boxed{150 \text{ m}^2} \\ \frac{7}{2} \end{aligned}$	7 $\begin{aligned} 2(8 \times 3) + 2(3 \times 4) + \\ 2(8 \times 4) = \\ 48 + 24 + 64 = \\ \boxed{136 \text{ m}^2} \end{aligned}$	8 $\begin{aligned} 2(1 \times .5) + 2(14 \times 1) + \\ 2(14 \times .5) = \\ 1 + 28 + 14 = \\ \boxed{43 \text{ m}^2} \end{aligned}$
9 $\begin{aligned} 2(15 \times 5) + \\ 2(5 \times 2) + 2(15 \times 2) = \\ 150 + 20 + 60 = \\ \boxed{230 \text{ m}^2} \end{aligned}$	10 $\begin{aligned} 2(2 \times 1) + 2(2 \times 1) + \\ 2(2 \times 2) = \\ 4 + 42 + 84 = \\ \boxed{130 \text{ m}^2} \end{aligned}$	11 $\begin{aligned} 2(2 \times 7) + 2(2 \times 7) + \\ 2(2 \times 7) = \\ 28 + 28 + 28 = \\ \boxed{84 \text{ m}^2} \end{aligned}$	12 $\begin{aligned} 2(2 \times 1) + 2(2 \times 1) + \\ 2(2 \times 2) = \\ 4 + 42 + 84 = \\ \boxed{130 \text{ m}^2} \end{aligned}$
13 $\begin{aligned} 2(9 \times 8) + 2(8 \times 21) + \\ 2(9 \times 21) = \\ 144 + 336 + 378 = \\ \boxed{858 \text{ m}^2} \end{aligned}$	14 $\begin{aligned} 6(9 \times 9) = \\ \boxed{1486 \text{ m}^2} \end{aligned}$	15 $\begin{aligned} 2(12 \times 2) + 2(2 \times 6) + \\ 2(12 \times 6) = \\ 48 + 24 + 144 = \\ \boxed{216 \text{ m}^2} \end{aligned}$	

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