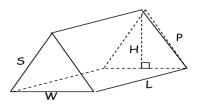
Surface Area of a Triangular Prism (tent)

- Calculate the separate areas of all surfaces and add up.
- Since it is still a type of area, the answer will always be in units 2 .
- A triangular prism has 5 faces. The triangular bases are the same size. That means we only
 have to calculate the areas of three different rectangular faces, and then add double the
 area of one triangle.
- Think of: How much cloth would you need to pitch a tent?



Formula: SA = WH + LW + LP + LS

The left side is LS

The two bases are each $\frac{1}{2}WH$ The bottom is LW The right side is LP

Example:	Practice:
L=10cm W=6cm H=8cm S=5cm P=4cm	L=8cm W=3cm H=4cm S=5cm P=7cm
SA = WH + LW + LP + LS SA = (6)(8) + (10)(6) + (10)(4) + (10)(5) SA = 48 + 60 + 40 + 50 SA = 108 + 40 + 50 SA = 148 + 50 SA = 198 SA = 198.0 cm ²	SA = WH + LW + LP + LS
Practice: (Round to the nearest tenth.)	Practice: (Round to the nearest tenth.)
L=6cm W=9cm H=4cm S=13cm P=11cm	L=5cm W=4.5cm H=6cm S=6.5cm P=2cm
SA =	