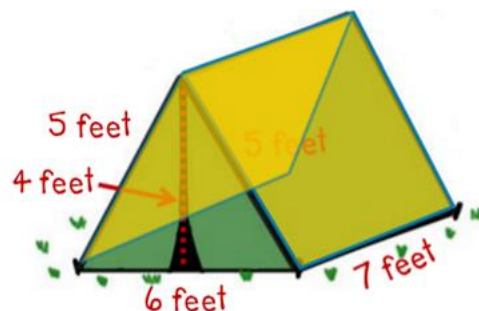# Station #1:

Luke's rectangular swimming pool is 3 ft. by 4 ft. and 2 ft. tall. How much plastic was needed to make his pool?

Station #2:

The dimensions of Dan's camping tent are shown. The tent is not waterproof, so Dan wants to put a tarp over it in case it rains. The tarp will cover all the sides except for the bottom of the tent. Which size tarp should he buy – one that is 70 ft², 85 ft², 100 ft², or 150 ft²?

5 feet
5 feet
4 feet
7 feet
6 feet

Station #3:

Ashley bought a package of candy to give to her friend as a gift. The candy is shaped like a triangular prism, with the dimensions, to the right. She has three different sizes of wrapping paper to choose from. Which will be the best for wrapping the candy – the paper that is 80 cm², 130 cm², or 180 cm²?

5 cm
9 cm
CANDY
3cm
4 cm
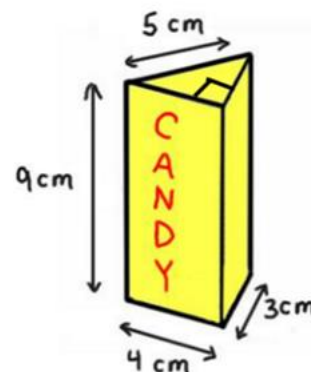
Station #4:

Cereal boxes have the dimensions indicated in the illustration. The cereal box factory is about to close for the weekend, and there are just 1,000 in² of cardboard left. How many more cereal boxes can be produced at the factor y with the remaining cardboard?

8 in
12 in
CEREAL
OATS
2 in
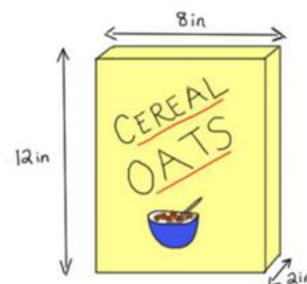
Station #5:

Your geometry class is sending a box in a shape of a triangular prism from the post office to Navy soldiers over seas. The dimensions of the box are as shown below.
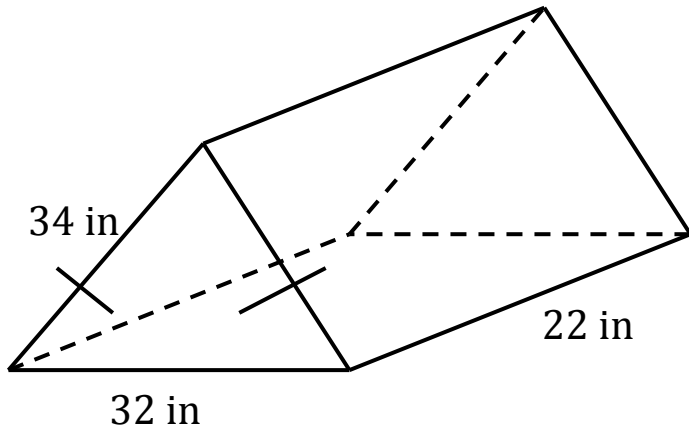
a) Find how much cardboard is needed to make the box (with no overlapping).

34 in

32 in

22 in

b) If it cost $0.01 per square inch, how much would you pay for the box at the post office?

Station #6:

Allie is wrapping presents for her younger brother's birthday. The boxes are in the shape of a hexagonal prism and a trapezoidal prism. She has two different kinds of wrapping paper with his favorite Disney characters on them; Buzz Lightyear and Lightening McQueen. She has 280 square inches of the Buzz Lightyear paper and 310 square inches of the Lightning McQueen paper. Will she have enough wrapping paper for both presents? If so, which wrapping paper should she use for each present?

8 in

4 in

11 in

5 in   4 in   8 in

6 in