

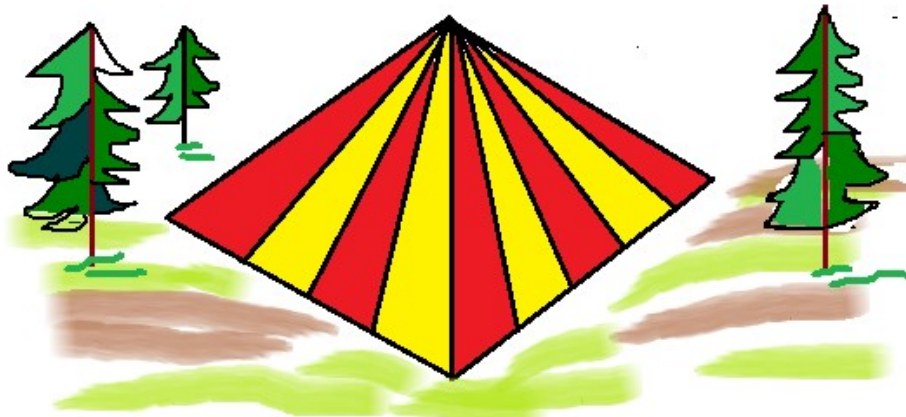


## SATISH CHANDRA MEMORIAL SCHOOL

### IX CASE STUDY (Triangle)

Read the case study given below and then answer the questions that follow:

Some students of class IX did not like the subject mathematics. Their teacher, Mr. Negi was much tensed about it. He decided to take the students to a trip to jungle. He thought to teach them mathematics in a different way. He decided to make them self dependent too. After reaching the jungle he asked the students to set up their own tents by giving them a piece of cloth in which some mathematical figure was drawn and some other necessary things.



1. See the figure and identify the mathematical figure drawn on the cloth used for setting up the tent.
2. Find the area and perimeter of one red figure if the lengths are 13m, 12m and 5m respectively.
3. Find the area of the whole cloth if there are 18 such red and yellow figures in total.
4. If  $1\text{m}^2$  of cloth costs Rs 50, then find the cost of the cloth.
5. The cloth is rectangular in shape. Two opposites have triangles and other two opposite sides have triangles. Find the perimeter of the cloth.