Photographs

A photographer wants to print a photograph and two smaller copies on the same rectangular sheet of paper. The photograph is 4 inches wide and 6 inches high.

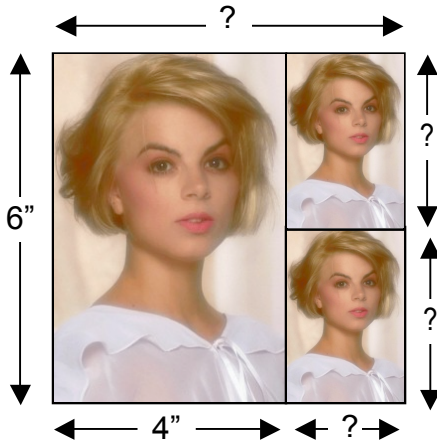Here are two ways he could do it. (Note: the diagrams are not drawn to actual size.)
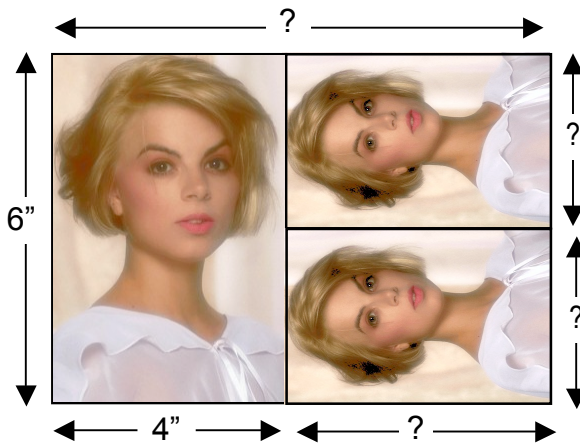

Diagram 1

Diagram 2

1. Find the measurements of the small photographs for each arrangement.
   Show your calculations and explain how you figured it out.

   Diagram 1

   _____

   _____

   _____

   _____

Historic Bicycle

Diagram 2

_____

_____

_____

_____

2. Find the size of the sheet of paper for each arrangement.

Diagram 1

The measurements of the sheet of paper are _____ wide and _____ high.

Diagram 2

The measurements of the sheet of paper are _____ wide and _____ high.