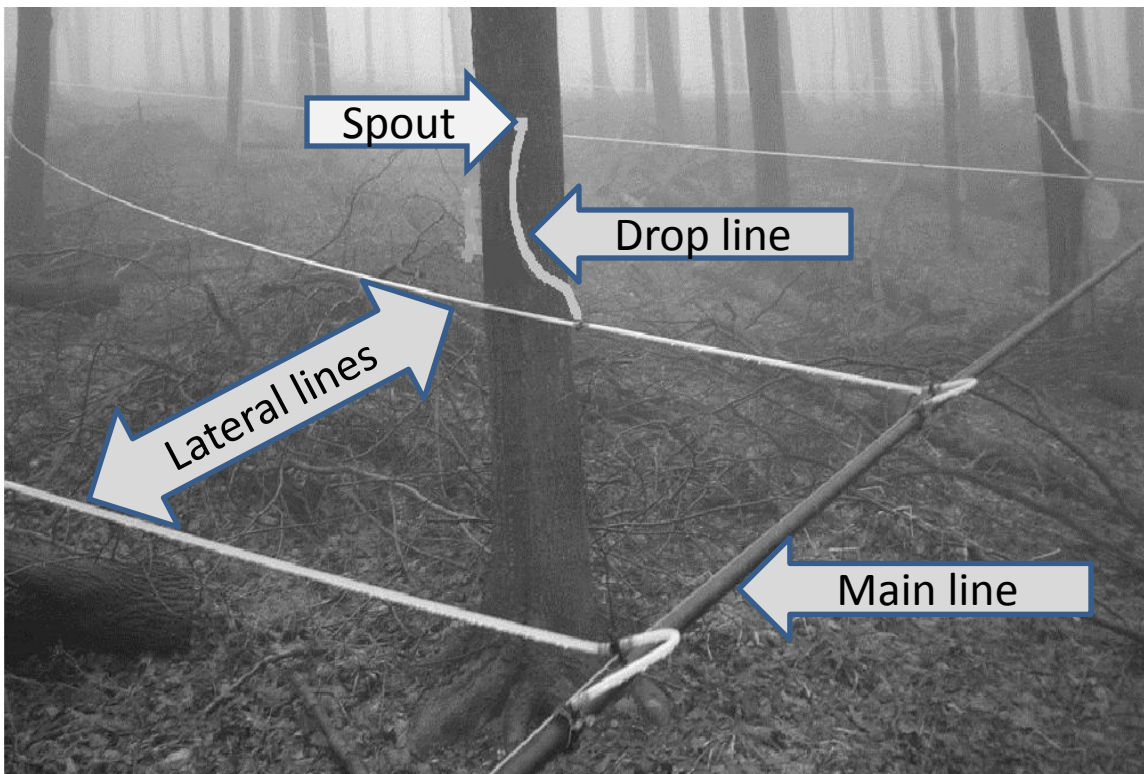


Maple Math – Adding spouts on tubing

Name _____

A maple tubing system is made up of several parts. At the tree is the spout, it is placed in the tap hole and connected to the drop line. Several drop lines will connect to the lateral line and several lateral lines will connect into the main line which delivers the sap to the sugarhouse or holding tank.



The number of spout and drop lines on each of 4 lateral lines are listed below.

Lateral line #1 has 4 spouts
 Lateral line #2 has 5 spouts
 Lateral line #3 has 5 spouts
 Lateral line #4 has 3 spouts

The 4 lateral lines are connected to a mainline. Add the spouts below.

Line #1	4	Line #3	5
+Line #2	5	+Line #4	3
1 st Total	__	2 nd Total	__

How many spouts are on mainline?
 Add 1st total _____
 and 2nd total _____ = _____ spouts

If each tap hole yielded 20 gallons of sap during the sap season, this mainline would carry a total of 340 gallons of sap, enough to make 8 gallons of maple syrup