

# Math Activities

## Mrs. Green Loves The Earth

- On page 24 Jackson tells the class about bamboo. Here's another fact about bamboo: bamboo grows 20 feet in a week. There are usually 4 weeks in a month. How many feet would bamboo grow in a month? There are 12 months in a year. How many feet would it grow in a year? How many yards?
  
- On page 22 Mary Beth suggests people should get rid of their lawns and plant native gardens instead. Let's think about lawns. It takes 1 ½ inches of water a week to grow a lawn. During the growing season there are about 24 weeks. How much water would be used during that time to get a lawn grown?
  
- It takes .62 gallons per square foot of water to get a lawn going. How much water would it take to grow a lawn that is 20 square feet?
  
- On page 14 Henry tells us about oak trees. Oak trees absorb more carbon dioxide (CO<sub>2</sub>) than other trees. Most trees absorb about 25 kg of CO<sub>2</sub> per year. An oak tree absorbs 165 kg of CO<sub>2</sub>. How much more CO<sub>2</sub> does an oak tree absorb than other trees?
  
- Phoebe's idea is to pick up trash. She picks up 12 pieces of trash on her way home from school. Tommy picked up 8 pieces. Henry picked up 14 pieces. Emily picked up 4 pieces (she lived right near the school). Marybeth picked up 7 pieces and Jackson picked up 9 pieces. Mabel picked up 11 pieces. How many pieces of trash did they pick up all together?