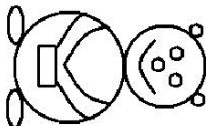
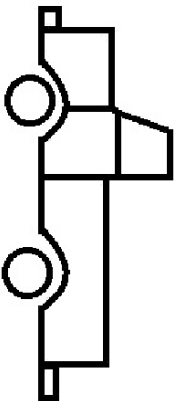


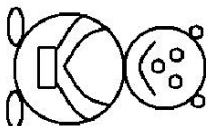
The Terrific Teddy Bear Bouique stuffs their own bears. The head and body of the bears are spheres. The heads of their bears have a diameter of 6 inches and the body of the bears have a diameter of 9 inches. How many bears can they stuff using a package that contains 23 cubic feet of stuffing? Use 3.14 as an approximate value for pi. Remember to round down as a partial bear is not completely stuffed.



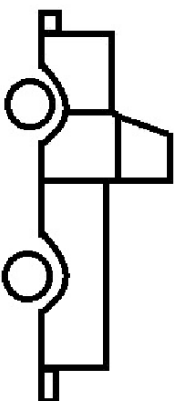
The average weight for oranges is .46 ounces per cubic inch. A farmer's truck can safely carry a payload that weighs 1532 pounds. How many oranges with a diameter of three inches can the farmer's truck transport safely? Use 3.14 as an approximate value for pi.



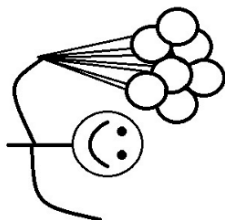
The Terrific Teddy Bear Bouique stuffs their own bears. The head and body of the bears are spheres. The heads of their bears have a diameter of 8 inches and the body of the bears have a diameter of 10 inches. How many bears can they stuff using a package that contains 27 cubic feet of stuffing? Use 3.14 as an approximate value for pi. Remember to round down as a partial bear is not completely stuffed.



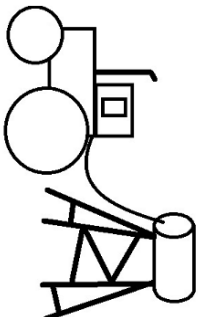
The average weight for oranges is .46 ounces per cubic inch. A farmer's truck can safely carry a payload that weighs 1494 pounds. How many oranges with a diameter of three inches can the farmer's truck transport safely? Use 3.14 as an approximate value for pi.



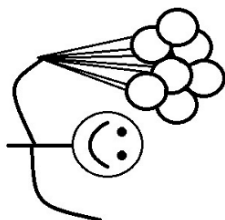
Johnny works at a carnival. He fills balloons shaped as spheres with average diameters of 13 inches. The cylinder he uses for the balloons is filled with 252 cubic feet of helium and costs \$163.80. Each balloon is 7 cents before they are filled. Using 3.14 as an approximate value for pi, how many balloons can be completely filled with this cylinder?



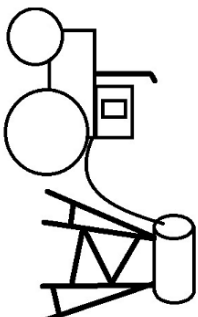
Farmer Jones is making a tank to store fuel for his tractor. The tank he is making is a cylinder that measures 31 inches in diameter and has a height of 39 inches. If each gallon of fuel is 231 cubic inches, how many gallons of fuel could the tank hold if it were completely full? Round your answer to the nearest tenth and use 3.14 as an approximation for pi.



Johnny works at a carnival. He fills balloons shaped as spheres with average diameters of 12 inches. The cylinder he uses for the balloons is filled with 236 cubic feet of helium and costs \$193.52. Each balloon is 4 cents before they are filled. Using 3.14 as an approximate value for pi, how many balloons can be completely filled with this cylinder?



Farmer Bob is making a tank to store fuel for his tractor. The tank he is making is a cylinder that measures 30 inches in diameter and has a height of 34 inches. If each gallon of fuel is 231 cubic inches, how many gallons of fuel could the tank hold if it were completely full? Round your answer to the nearest tenth and use 3.14 as an approximation for pi.



Sarah is making a cylindrical pond in her back yard. The fish will need to have a depth of 12 inches of water for optimal health. If the pond will hold 26 gallons of water when full, what will be the diameter of the pond to the nearest tenth of an inch? Each gallon of water is 231 cubic inches, and use 3.14 as an approximation for pi.

Jane is making a cylindrical pond in her back yard. The fish will need to have a depth of 11 inches of water for optimal health. If the pond will hold 22 gallons of water when full, what will be the diameter of the pond to the nearest tenth of an inch? Each gallon of water is 231 cubic inches, and use 3.14 as an approximation for pi.