

Bigfoot



<http://www.bigfoot4x4.com/bf5.html>

Comes to Summit County

Answers

Every time the tires go around a complete circle, the truck goes a certain distance. This complete circle is called a revolution and is the same distance as the circumference of the tire.

1. The diameter of the tire is a whopping 10 feet. One revolution of the massive tires will go $3.14 \times 10 = 31.4$ feet.
2. An average car tire has a diameter of 26 INCHES. How far does this tire go in one revolution in inches? $3.14 \times 26 = 81.64$ Now change that distance to feet by dividing your answer by 12 which would be $81.64 \div 12 = 6.8$ feet.
3. How many times will the car tire have to revolve to go the same distance as one revolution of Bigfoot #5 tires? $31.4 \div 6.8 = 4.6$ revolutions or about **5 revolutions**
4. The average 6th grader is 5 feet tall. How many of your classmates would it take to cover the same distance as one revolution of Bigfoot # 5 tire if you laid your classmate head to toe? $31.4 \div 5 =$ about **6 6th graders**
5. How much distance will Summit Racing have to leave in their parking lot for the truck if they want the driver to move only one tire revolution? $3.14 \times 10 = 31.4$ feet