

Welcome To The Soap Box Derby



Try your hand at any one or all 3 of the divisions.

STOCK

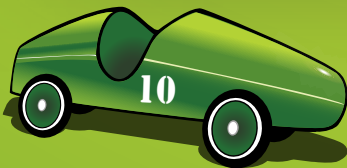
Super-Stock

Masters

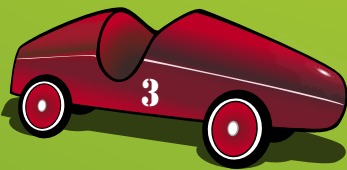
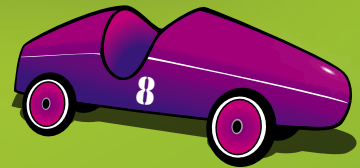
STOCK DIVISION

We need your help. We know some info about the race, but can't figure out who won and how long it took them to race down the 954 foot track.

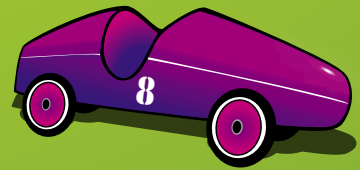
Use your skills to find the finishing order. See you at the finish line.



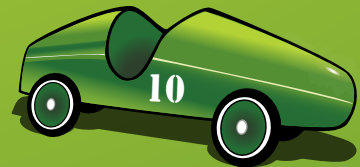
was 1.3 seconds slower than racer



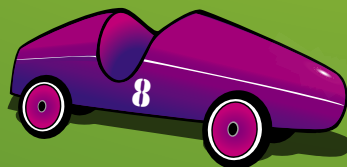
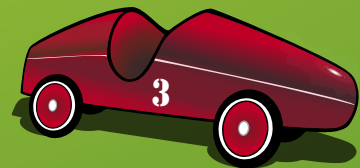
was .5 seconds faster than racer



was .3 seconds faster than racer



was .6 seconds slower than racer



time was 27.5 seconds

Winner	_____	Time - _____
2nd	_____	Time - _____
3rd	_____	Time - _____
4th	_____	Time - _____
5th	_____	Time - _____

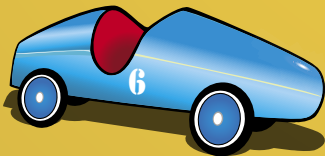
If you like this activity, step it up a notch and move up to the Super-Stock Division.



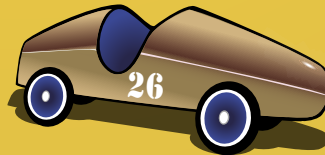
SUPER-STOCK DIVISION

The racers are now a little more experienced, so the challenge just got tougher. We still need your help.

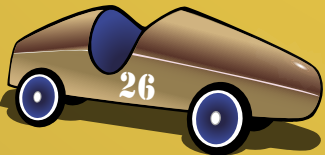
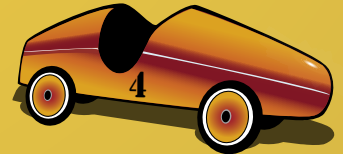
You have to use your skills to find the finishing order. See you at the finish line.



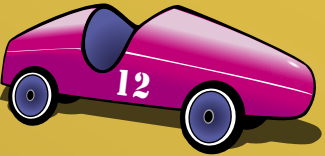
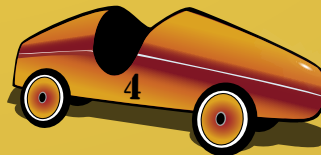
finished ahead of



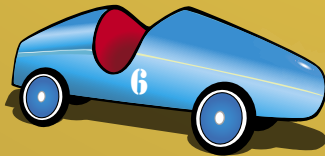
&



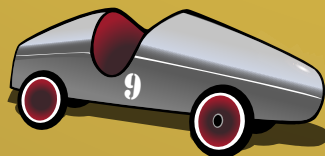
finished last, right behind



did not win



finished 2nd



did not finish 3rd

Winner	_____
2nd	_____
3rd	_____
4th	_____
5th	_____

If you like this activity, step it up a notch and move up to the Master Division.



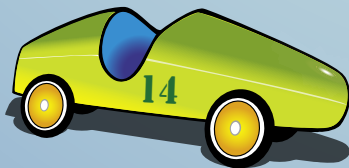
MASTER'S DIVISION

You are in the top division now. No time to give up. Use the info they give you to find who the best of the best are and what place the other racers finished. Good luck.

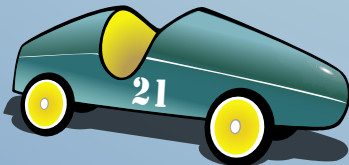
Use the formula $\text{distance} = \text{rate} \cdot \text{time}$ ($d=rt$) to determine the finishing order of the racers.

Tip: The track distance is 954 feet.

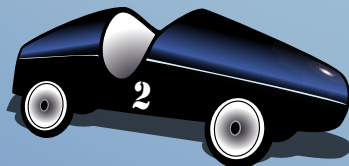
Hint: Use $d=rt$ to change the 1st, 3rd, and 5th racers to time. This will help you find the order the racers finished.



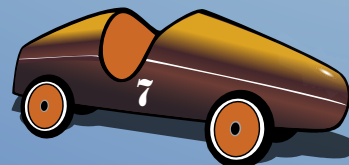
rate = 35 ft./second



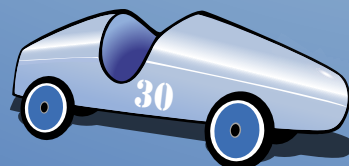
time = 28.3 seconds



rate = 34.7 ft./second



time = 27.6 seconds



rate = 35.1 ft./second

Winner - _____	Time - _____
2nd _____	Time - _____
3rd _____	Time - _____
4th _____	Time - _____
5th _____	Time - _____