

11/3/16 Velocity Problems & Derby Racers

Tasks Today:

1. Correct Velocity 1 Problems.
2. Do Velocity 2 Problems.
3. Complete a detailed drawing of your derby racer design.

1) CORRECT VELOCITY #1

— YOUR GOAL : TO DO THIS PERFECTLY
TO EARN FULL CREDIT & NOT HAVE
TO REDO IT.

1) DID YOU COMPLETE THE PROBLEM?

2) HAVE YOU NUMBERED THE PROBLEM &
EACH OF THE 5-STEPS?

7. ①
②
③
④
⑤

3) ARE YOU USING THE CORRECT FORMULA
FROM THE "IF YOU KNOW" TABLE?

4) DID YOU USE A CALCULATOR TO GET THE
CORRECT NUMERIC ANSWER?

5) ARE YOU USING CORRECT UNITS?

6) DID YOU INCLUDE A DIRECTION (WHEN
NECESSARY)? DISPLACEMENT, VELOCITY

7) DID YOU PUT A CIRCLE / SQUARE AROUND
YOUR FINAL ANSWER?

2) VELOCITY #2 PROBLEMS

- COMPLETE THEM ON A SEPERATE SHEET.
- LABEL THEM "VELOCITY 2" @ TOP OF PAGE.
- FOLLOW ALL THE PREVIOUS GUIDELINES.

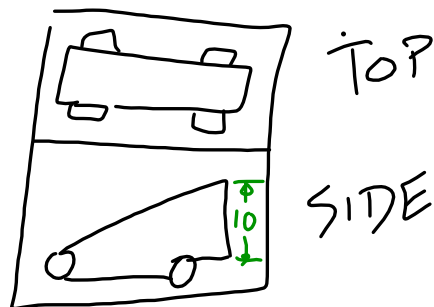
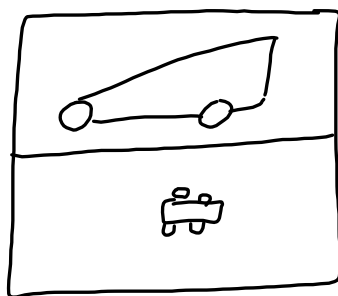
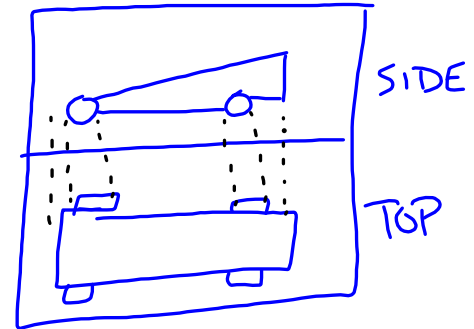
3) FINAL DERBY RACER DRAWING

- COMPLETED INDIVIDUALLY
- USE AN ENTIRE 11" x 8.5" PIECE OF PAPER

- INCLUDE A TOP VIEW & A SIDE VIEW

- DRAWINGS SHOULD MATCH (I.E. SOMETHING 6"

LONG IN ONE VIEW, SHOULD BE 6" IN THE OTHER VIEW.



- INCLUDE ALL IMPORTANT DETAILS (DIMENSIONS, MATERIALS, CONNECTIONS, NOTES TO DESCRIBE HOW IT GOES TOGETHER)

- CAR MAX SIZE:
 - 25 cm WIDE
 - 40 cm LONG
 - 20 cm TALL