

Physics Linear Motion Assignments - They're FUN!!!

☆ Assignment Fun 1: Learning Goals 1 & 2 ☆

☆ Reading: pp. 34-42

☆ Problems:

☆ Practice (P) p. 40: 1 & 4

☆ Conceptual Challenge (CC) p. 41: Book and Travel questions

☆ Formative Assessment (FA) p. 43: 4 (a only) and 6

☆ Chapter 2 Review (R) p. 70+: 1, 2, 3, 5, 6, 8, 11



☆ Assignment Fun 2: Learning Goal 3 ☆

☆ Reading: pp. 44-47

☆ Problems: (Do in order...)

☆ P p. 45: 2, 3, 4

☆ FA p. 55: 4, 6

☆ R p. 71+: 12, 17, 20

☆ CC p. 46: Fly Ball, Runaway Train, and Hike-and-Bike Trail

☆ FA p. 55: 2, & 5 (In 5, skip c and d unless you want to spend, like, FOREVER doing this problem.☺)

☆ R p. 71+: 13, 14, 15

☆ Assignment Fun 3: Learning Goal 4 part 1 ☆

☆ Reading: pp. 48-54

☆ Problems:

☆ P p. 49: 1-4

☆ P p. 51: 1 & 4 (not 1-4)

☆ P p. 54: 3 (a only) & 4

☆ R p. 71+: 16, 18, 21, 22, 25 (Hint: In 22, break it into two phases. Solve for displacement for both phases to find total displacement. Find final velocity for phase one and use it as initial velocity in phase two. Stay tough. You can do it!)

☆ Assignment Fun 4: Learning Goal 4 part 2 ☆

☆ Reading: pp. 56-60

☆ Problems:

☆ p. 57: Look at the graph and find the slope. (You'll have to determine the ordered pairs as accurately as you can.)

☆ P p. 60: 2 & 3

☆ FA p. 61: 1- 4 & 6 (Note: In #6, the graph is titled incorrectly. It is a Position v. Time graph.)

☆ R p. 72: 26, 27, 28, 30 (Note: In #27, do you agree with the authors about which ball they think is hollow?)

