

Activity 12: Falling Down for TI Navigator

Using the two lists L1 (for Time in seconds) and L2 (for Distance in centimeters), produce a graph that looks like the one below and answer the following questions.



Question 1:

To the nearest centimeter, about how far was the floor from the CBR?

Question 2:

To the nearest centimeter, about how far was the coffee filter from the CBR before it was released?

Question 3:

To the nearest centimeter, about how far did the coffee filter travel?

Question 4:

To the nearest tenth of a second, about how long did it take the coffee filter to fall?

Question 5:

Which is the best representation of the average speed of the coffee filter?

- A. 1.90 meters/second.
- B. 190 meters/second.
- C. 1.65 meters/second.
- D. 165 meters/second.

Question 6:

Based on these results, how many coffee filters do you think were dropped?

- A. 1 filter.
- B. 10 filters.
- C. 100 filters.
- D. 1000 filters.