- Problem: Does color effect the speed of a mealworm?

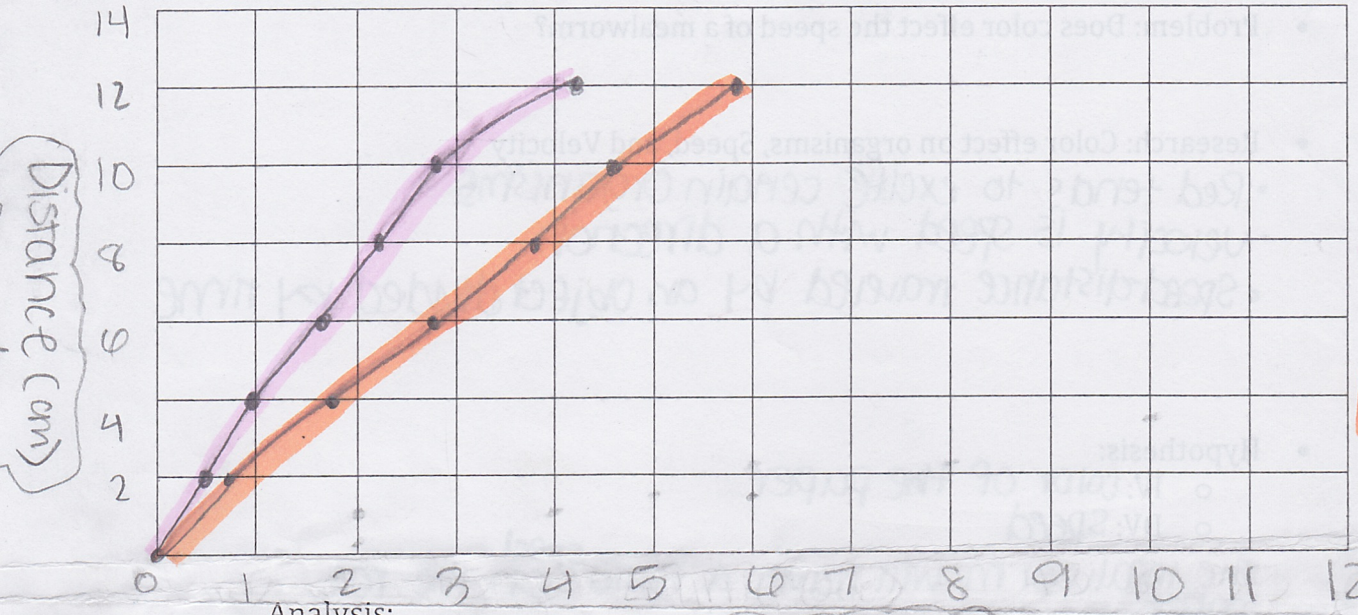
- Research: Color effect on organisms, Speed, and Velocity
  - Red tends to excite certain organisms
  - Velocity is speed with a direction
  - Speed distance traveled by an object divided by time

- Hypothesis:
  - IV: color of the paper
  - DV: Speed

  The mealworm will have a faster speed on the red paper.
- Materials/Method

Title:

Color	Time at 1 cm (Secs)	Time at 4 cm (Secs)	Time at 6 cm (Secs)	Time at 8 cm (Secs)	Time at 10 cm (Secs)	Time at 12 cm (Secs)
Red	.8	1.7	2.7	3.8	4.6	4.9
Black	.5	1.0	1.6	2.2	2.7	4.2



Analysis:

The graph compares the mealworms acceleration on

seconds?

ity of the mealworm traveling on the black paper at 3

2.03 cm/sec south

3. What is the average velocity of the mealworm on the red paper? Black paper?

red paper- 1.74 cm/sec south

black paper- 2.86 cm/sec

4. Why is it more accurate to use velo

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