

Read Velocity Data



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

Invented one-dimensional motion data

Invented practice data or scenario; not a report of a real study.
The model uses one direction as positive. Measurements are idealized for practice.

Time s	Velocity m/s
0	2
1	4
2	6
3	8

1. What is velocity at 2 seconds?
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2. How much does velocity change from 0 to 3 seconds?
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3. Find average acceleration over those 3 seconds.

4. If the same acceleration continues, what velocity is predicted at 4 seconds?

5. What does slope in a velocity-time graph represent?

6. Why must the prediction state that acceleration continues?
