

Name and surname ..... class.....

## WORKSHEET 6

### Activity 12. Slowing down / Speeding up

#### 12a) TOWARD the wall

*Two people walk TOWARD the wall, starting from the same distance.*

*One of them walks slower and slower, and the other walks faster and faster.*

*Sketch both motions in the same coordinate system.*

Use two different colours to draw both graphs.

1. Person walking toward the wall slower and slower — line name: *sd* (slowing down)

2. Person walking toward the wall faster and faster — line name: *su* (speeding up)



**Write down** in your own words how you can tell from the graph when the movement towards the wall was getting slower and when it was getting faster.

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## 12b) AWAY FROM the wall

*Two people walk AWAY FROM the wall, starting from the same distance. One of them walks slower and slower, and the other walks faster and faster. Sketch both motions in the same coordinate system.*

Use two different colours to draw both graphs.

1. Person walking away from the wall slower and slower — line name: *sd* (slowing down)
2. Person walking away from the wall faster and faster — line name: *su* (speeding up)



Write down in your own words how you can tell from the graph when the movement towards the wall was getting slower and when it was getting faster.

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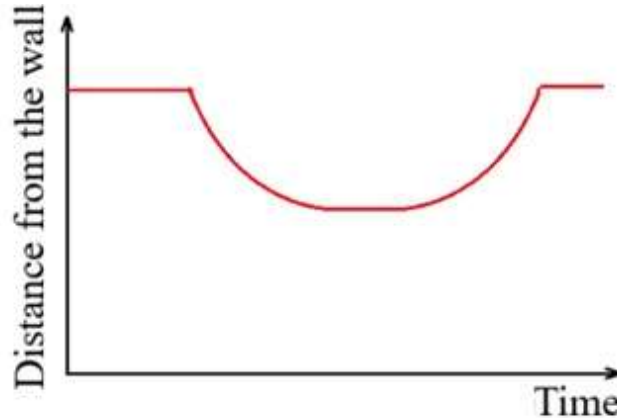
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### Activity 13.

The graph shows a certain movement:



**Describe** in words what this movement might look like:

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.....

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.....

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**Check – make your move with the sensor**

**Does your description match the sensor reading?**

**Write** your\_answer:.....

What did you do wrong in your first attempt?

.....

.....

Why do you think that was?

.....

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