

Name and surname class.....

WORKSHEET 1

Activity 1. Sketch what the graph of my distance from the wall will look like, taking into account all stages of my movement:

I begin by standing still for a short moment. Then I walk toward the wall at a steady, moderate pace, and after reaching a point near the wall, I walk away from it at the same pace. Again, I stop and stand still for a moment. Next, I walk toward the wall at a steady, fast pace, and then walk away from the wall at the same fast pace. I pause and stand still again. Finally, I walk toward the wall at a steady, slow pace, and then walk away from it at the same slow pace. At the end, I stand still for a moment once more.

Your graph – first attempt:



Redraw the shape of the graph made by the sensor:



What do you notice?

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Activity 2. Slowly – quickly TOWARDS the wall

Two people walk TOWARDS the wall at the same pace, but one slowly and the other quickly. Draw what the graphs will look like.

Person 1 walks to the wall slowly – line named s

Person 2 walks towards the wall quickly – line named q

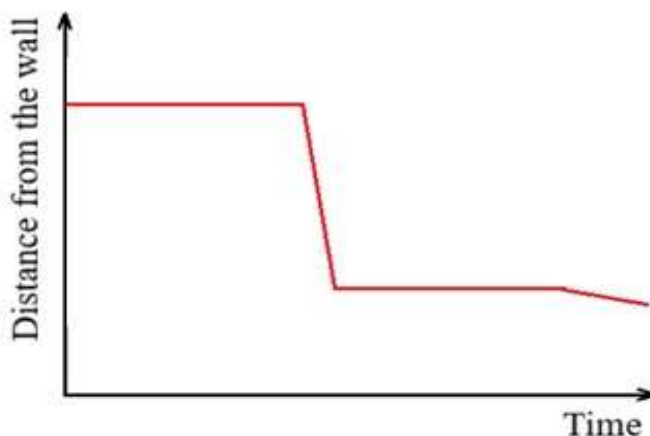


In your own words, explain how you can tell from the graph when the movement towards the wall was slow and when it was fast.

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Activity 3. The graph shows what my other movement looked like:



Describe in words what this movement might have looked like:

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